

## Aptitude Test

1. Express a speed of 36 kmph in meters per second?

- A. 10 mps
- B. 12 mps
- C. 14 mps
- D. 17 mps

**Answer:** Option A

2. Express 25 mps in kmph?

- A. 15 kmph
- B. 99 kmph
- C. 90 kmph
- D. None

**Answer:** Option C

3. The speed of a train is 90 kmph. What is the distance covered by it in 10minutes?

- A. 15 kmph
- B. 12 kmph
- C. 10 kmph
- D. 5 kmph

**Answer:** Option A

4. A car covers a distance of 624 km in  $6\frac{1}{2}$  hours. Find its speed?

- A. 104 kmph

- B. 140 kmph
- C. 104 mph
- D. 10.4 kmph

**Answer:** Option A

5. A and B complete a work in 6 days. A alone can do it in 10 days. If both together can do the work in how many days?

- A. 3.75 days
- B. 4 days
- C. 5 days
- D. 6 days

**Answer:** Option A

6. A can do a piece of work in 4 days. B can do it in 5 days. With the assistance of C they completed the work in 2 days. Find in how many days can C alone do it?

- A. 10 days
- B. 20 days
- C. 5 days
- D. 4 days

**Answer:** Option B

7. A, B and C can do a piece of work in 24, 30 and 40 days respectively. They start the work together but C leaves 4 days before the completion of the work. In how many days is the work done?

- A. 15 days
- B. 14 days

C. 13 days

D. 11 days

**Answer:** Option D

8. 5 men and 12 boys finish a piece of work in 4 days, 7 men and 6 boys do it in 5 days. The ratio between the efficiencies of a man and boy is?

A. 1:2

B. 2:1

C. 2:3

D. 6:5

**Answer:** Option D

9. A and B can finish a work in 16 days while A alone can do the same work in 24 days. In how many days B alone will complete the work?

A. 56

B. 48

C. 36

D. 58

**Answer:** Option B

10. Some persons can do a piece of work in 12 days. Two times the number of these people will do half of that work in?

A. 3 days

B. 4 days

C. 6 days

D. 12 days

**Answer:** Option A

11. What number has a 5:1 ratio to the number 10?

A. 42

B. 50

C. 55

D. 62

**Answer:** Option B

12. Two same glasses are respectively  $\frac{1}{4}$ th  $\frac{1}{5}$ th full of milk. They are then filled with water and the contents mixed in a tumbler. The ratio of milk and water in the tumbler is?

A. 3:8

B. 9:31

C. 8:21

D. 10:27

**Answer:** Option B

13. A and B entered into a partnership investing Rs.25000 and Rs.30000 respectively. After 4 months C also joined the business with an investment of Rs.35000. What is the share of C in an annual profit of Rs.47000?

A. Rs.18000

B. Rs.15000

C. Rs.17000

D. Rs.14000

**Answer:** Option D

14. In how many years does a sum of Rs. 5000 yield a simple interest of Rs. 16500 at 15% p.a.?

A. 22

B. 24

C. 25

D. 23

**Answer:** Option A

15. The radius of a circle is increased by 1%. Find how much % does its area increase?

A. 1.01%

B. 5.01%

C. 3.01%

D. 2.01%

**Answer:** Option D

**1. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Chess
- B. Badminton
- C. Cricket
- D. Volleyball
- E. Table tennis

**Answer** – A. Chess

**Explanation:** Remaining games are played in the field

**2. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Win
- B. Compete
- C. Triumph
- D. Victory
- E. Succeed

**Answer** – B. Compete

**Explanation:** Remaining words give the same meaning

**3. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Jackal
- B. Horse
- C. Cat
- D. Dog
- E. Wolf

**Answer** – B. Horse

**Explanation:** Horse alone omnivores

**4. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. YB
- B. AD
- C. IK
- D. MP
- E. WZ

**Answer** – C. IK

**Explanation:** Remaining pairs have 2 letters between them

**5. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. BCDF
- B. KJNL
- C. RSTU
- D. WXYZ
- E. FGHP

**Answer** – C. RSTU

**Explanation:** Remaining are contained only consonants

**6. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Avoid
- B. Obstruct
- C. Block
- D. Hamper
- E. Impede

**Answer** – A. Avoid

**Explanation:** Remaining words give the same meaning

**7. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Arvind Kejriwal
- B. Siddaramaiah
- C. Draupadi Murmu
- D. Mukul Sangma
- E. Nabam Tuki

**Answer** – C. Draupadi Murmu

**Explanation:**

Draupadi Murmu is governor of Jharkhand remaining all are CM 's

**8. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Wheat
- B. Corn
- C. Millet
- D. Jowar
- E. Cotton

**Answer – E. Cotton**

**Explanation:**

Cotton is a fiber crop, remaining are food crops

**9. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Sparrow
- B. Parrot
- C. Swan
- D. Koel
- E. Vulture

**Answer – C. Swan**

**Explanation:**

Only Swan is the water bird

**10. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?**

- A. Manure
- B. Ammonia
- C. Urea
- D. Potash
- E. Nitrogen

**Answer – E. Nitrogen**

**Explanation:**

All except Nitrogen are used as fertilizers



**11. Statements:**

I. The bank decided to give advances to the priority sector at the rate of interest at par with the corporate sector.

II. The percentage of bad loans given by the banks to the priority sector is very low compared to the corporate sector.

- A. I is the cause and II is its effect.
- B. II is the cause and I is its effect.
- C. Both I and II are independent causes.
- D. Both I and II are effects of independent causes.
- E. Both I and II are effects of some common causes.

**Answer** – D. Both the I and II are effects of independent causes.

**Explanation:**

The bank can change its policy with the priority sector due to a change in the government policy. Thus, it is an effect. But the same cause cannot be the reason for the percentage of bad loans being less for the priority sector.

**12. Statements:**

I. Many seats in the private medical colleges in the state have remained vacant this year.

II. The government medical colleges in the state could accommodate all the students who sought admission this year.

- A. I is the cause and II is its effect.
- B. II is the cause and I is its effect.
- C. Both I and II are effects of independent causes.
- D. Both I and II are effects of some common causes.
- E. Both I and II are independent causes.

**Answer** – B. II is the cause and I is its effect.

**Explanation:**

Statement II is the cause and statement I is its effect. As the government medical college could accommodate all students who applied to it (and most medical students prefer government colleges which are less expensive), many seats in the private medical colleges in the state have remained vacant.

**13. Statements:**

I. The Ganges river is flooded due to large sheets of ice coming down from the Himalayas.

II. Many people in the Himalayan ranges lost their houses under huge sheets of ice.

A. I is the cause and II is its effect.

B. II is the cause and I is its effect.

C. Both I and II are effects of some common causes.

D. Both I and II are independent causes.

E. Both I and II are effects of independent causes.

**Answer** – C. Both I and II are effects of some common causes.

**Explanation:**

Both statements are the effects of some common cause. In this case, the cause is ‘melting’ or ‘sliding down of ice’ from the Himalayan mountain ranges. Some common climatic cause is associated with the occurrence and hence the effects have been manifested in the following way.

**14. In a class of 20 students, Shreya is 5 from the top and Annie is 7 ranks below Shreya. Find Annie’s rank from the bottom.**

A. 3

B. 5

C. 6

D. 9

E. None of these

**Answer** - D. 9

**Explanation:**

Annie is 12 ranks from top, so from bottom =  $20 - 12 + 1 = 9$

**15. Rita is sitting 5th from the left end of the row and Sita is 11th to the right of Rita with Tina being 4th to left of Sita. Madhuri is 8th to the right of Tina. What is the total number of students in the row if Madhuri is sitting at the extreme end?**

A. 20

B. 28

C. 23

D. 33

E. 12

**Answer** - A. 20

**Explanation:**

Rita is 5th from left, Sita 11th to the right of Rita, so 16th from the left end, Tina is 4th to left of Sita so Tina is 12th from the left end. Now Madhuri is 8th to the right of Tina, this means 20th from left, so 20 students

**16. Karuna is sitting 25th from the left end and Preeti is sitting 26th from the right end. Preeti is at 20th to the left of Karuna. What is the total number of students sitting in the row?**

- A. 21
- B. 32
- C. 26
- D. 28
- E. 30

**Answer - E. 30**

**Explanation:**

Karuna is 25th from the left end and Preeti is 20th to left of Karuna so Preeti is 5th from the left end and given 26th from the right end, so total =  $(5+26) - 1 = 30$

**17. In a row of 30 children, A is 11th from the right end of row. If there are 4 children between A and B, What is the position of B from the left end of the row?**

- A. 5
- B. 8
- C. 4
- D. 6
- E. Cannot be determined

**Answer - E. Cannot be determined**

**Explanation:**

Since it is not given that B is left of A or right of A, cant is determined.

**18. Prerna is 5th from the left end and Charu is 4th from the right of the row. Charu interchanges her position with the one who is sitting 3rd to the right of Prerna and now Charu is 10th from the right end. How many children are there in the row?**

- A. 18
- B. 20
- C. 15

D. 17

E. 16

**Answer - D. 17**

**Explanation:**

Let A is 3rd to the right of Perna, so Charu comes to his place so now Charu is  $(5+3) = 8$ th from the left end and also she is 10th from the right end, so in total  $(8+10)-1 = 17$

**19. Judge: Court:: Doctor:?**

A. Municipality

B. Hospital

C. Tehsil

D. Factory

E. None of these

**Answer – B. Hospital**

**Explanation:**

The judge sits in court similarly doctor sits in a hospital

**20. Carbon dioxide: Extinguish:: Oxygen:?**

A. Foam

B. Explode

C. Burn

D. Isolate

E. None of these

**Answer – C. Burn**

**Explanation:**

Oxygen supports Burning similarly Carbon dioxide helps in extinguishing

**21. Kitten: Cat:: Cub:?**

A. Tiger

B. Deer

C. Giraffe

D. Horse

E. None of these

**Answer – A. Tiger**

**Explanation:**

Kitten is the young one of Cat similarly Cub is the younger one of Tiger

**22. Den: lion:: stable: ?**

- A. Cat
- B. Dog
- C. Horse
- D. Cow
- E. None of these

**Answer – C. Horse**

**Explanation:**

Lion lives in den similarly Horse lives in Stable

**23. Thermometer: Temperature:: Barometer:?**

- A. Stress
- B. Pressure
- C. Strain
- D. Force
- E. None of these

**Answer – B. Pressure**

**Explanation:**

The thermometer is used to measure to Temperature similarly Barometer is used to measure Pressure

**24. In which year was Sujan born?**

- I. Sujan's present age is 20 years more than his child
- II. Sujan's have two children. The first child was born in 1993?

- A. Only I
- B. Only II
- C. Both I and II
- D. Either I or II
- E. Neither I or II

**Answer – E. Neither I or II**

**Explanation:**

From I:

S = 20+Which child(not mentioned)From II:

Only data about first child

**25. How many students did secure First class in a class of 50 students?**

I. Double the number of first-class students secured second class and all the remaining students failed

II. Number of students failed was twice the number of first class students in the class

- A. Only I
- B. Only II
- C. Both I and II
- D. Either I or II
- E. Neither I or II

**Answer – 3.Both I and II**

**Explanation:**

From I:

No of Students Failed =  $50-3x$

From II:

No of Students Failed =  $2x$

$$2x = 50-3x$$

$$5x=50$$

$$X = 10$$

# Previous Year Accenture Model Paper

## Accenture English Ability

1. Find out which underlined part of the sentence below has an error and mark the option accordingly. Butterflies are considered as the main agent of transferring pollen grains. Sometimes, this gives rise to different species of flowers, a true fascination unknown to the science world.

- A. Sometimes, this gives rise to different
- B. Considered as the main
- C. Of transferring
- D. Unknown to the science world

Answer: B

Read the passage given below and answer the questions that follow.

Dogs, often hailed as humans' best friends, have been the topic of many scientific studies looking into how they might boost our well-being. It is likely that humans and dogs have shared a special bond of friendship and mutual support ever since at least the Neolithic period — but why has this bond been so long-lasting?

A recent study showed that owning a dog reduces a person's risk of premature death by up to a third. Also, researchers at the University of Harvard in Cambridge, MA, suggest that dog owners have a lower risk of heart disease. Dogs can strengthen our health not just as we grow older, but also much, much earlier than that: before we are even born. Research published last year suggests that children who were exposed to dogs while still in the womb — as their mothers spent time around dogs during pregnancy — had a lower risk of developing eczema in early childhood. When we interact with dogs, our oxytocin levels shoot up. Since this is the hormone largely responsible for social bonding, this hormonal "love injection" boosts our psychological well-being. Previous studies analyzed in the review have revealed that dog owners have more positive social interactions, and that the presence of canine friends makes people more trusting. Moreover, dogs appear to reduce symptoms of depression and render people more resilient to stress. That is why dogs are often used as therapy animals.

2. Choose the option that is closest in meaning to the word 'resilient' as used in the passage

- A. Stable
- B. Unadaptable
- C. Immune
- D. Determined

Answer: C

3. The passage is primarily concerned with:

- A. Emphasizing how building a bond with dogs can help us in health matters
- B. Outlining the relationship of humans and dogs.
- C. Highlighting that dogs are used in medical aid now-a-days.
- D. Listing the benefits of owning a dog and how to establish a bond with them.

Answer: A

4. The author feels that the owning a dog affects the mental health:

- A. Quickly
- B. Positively
- C. Emphatically
- D. Negatively

Answer: B

5. Mark the option which is closest in meaning to the word given below.

COHERENCE

- A. Fighting
- B. Unity
- C. Companionship
- D. Slowness

Answer: B

6. Mark the option containing the word that is opposite in meaning to the underlined word given below.

Roger is a consummate player who earned over nine million dollars in the tournament last year.

- A. Incompetent
- B. Best
- C. Slow
- D. Professional

Answer: A

7. Choose the best replacement for the underlined part of the sentence.

The match was expected to be won by India as the players were very active on the field.

- A. The India was expected to win the match
- B. The match was being expected to be won by the India
- C. It is being expected by the India to win the match
- D. India was expected to win the match

Answer: D

8. Choose the best replacement for the underlined part of the sentence.

You should always keep away from bad company.

- A. Always keep away



- B. Keep away always
- C. Keep yourself away always
- D. Always keeps away

Answer: C

9. The sentences given below from a coherent passage when arranged logically. Choose the option which gives the correct sequence.

1. The practice is widespread: honeybees are kept in large cities and villages, on farms and rangelands, in forests and deserts, Arctic and Antarctic from the Equator to even the frozen poles of Earth.
2. This has helped many people to improve their economic stability by giving them a secondary source of income.
3. Bee - keeping is caring for and management of colonies of honeybees.
4. They are kept for their honey, wax, and also their services as pollinators of fruit and vegetable blossoms, or even as a hobby.

- A. 1 3 2 4
- B. 1 3 4 2
- C. 3 2 1 4
- D. 3 4 1 2

Answer: C

10. Choose the best replacement for the underlined part of the sentence. Sam and Tim's wife are coming this afternoon.

- A. Sam's and Tim's wives
- B. Sam and Tim's wives
- C. Sam's and Tim's wife
- D. Sam's and Tim wife

Answer: A

## Accenture Critical Reasoning and Problem Solving

1. Statements:

- I. Some apples are guavas.
- II. All apples are oranges.
- III. No orange is a papaya.
- IV. All papayas are guavas.

Conclusions:

- I. Some papayas are apples.
  - II. Some oranges are papayas.
  - III. Some guavas are oranges.
- A. Only conclusion III follows
  - B. Either conclusion I or conclusion III follows
  - C. None follow

D. Only conclusion I follows

Answer: A

2. In the following question, the symbols +, -, \*, /, and \$ are used with the following meanings illustrated.

'X \* Y' means 'X is either greater than or equal to Y'.

'X - Y' means 'X is neither greater than nor smaller than Y'.

'X \$ Y' means 'X is smaller than Y'.

In the following question assuming the given statements to be true, find out which of the three conclusions I, II and III given below the is/are definitely true and mark your answer accordingly.

Statements:

I. M + J

II. J/Y

III. Y\$K

IV. K-N

Conclusions:

I. K \* J

II. J + N

III. K \$ M

A. Only conclusion I and conclusion III follow

B. None follow

C. Only conclusion I and conclusion II follow

D. Only conclusion II and conclusion III follow

Answer: B

3. Read the following argument and mark which of the following assumptions is made in the argument.

More than one billion years' worth of rocks have gone missing from the geologic record of Grand Canyon.

A. Earth has transitioned from an older setting to the modern one during these one billion years.

B. None of the mentioned options.

C. The western half of the Grand Canyon has gone through a very different geologic contortion compared to the eastern half.

D. Series of Faulting events in that region possibly tore up the earth around the Canyon causing rocks and sediments to wash away in the ocean.

Answer: D

4. Mark the option containing the sentence that strengthens the argument given below.

Argument: People generally wear light colour clothes in summer.

A. They are easy to wash and easy to dry.

B. Light colour clothes are bad absorber of light.

C. These light colour clothes are thick and warm.

D. They are readily and cheaply available in the summer.

Answer: B

5. The question given below is followed by two statements numbered I and II. Determine if the statements are, individually or together, sufficient to answer the question.

Question: How many questions did Jacob attempt in the English test?

Statements:

I. There were 35 questions in the test.

II. He got 25 marks in the test, in which every correct answer fetched 1 mark, for every unattempted questions fetched 0 mark, and for every incorrect answer  $\frac{1}{3}$  mark was deducted from the total.

A. Each statement alone is sufficient to answer the question.

B. Only one of the statements, alone, is sufficient to answer the question but other statement is not.

C. Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

D. Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.

Answer: D

Direction for Q6 to Q9: Read the following information given below and answer the questions that follow:

Six friends - Sheldon, Jack, Justin, Bruce, Peter, and Nicholas are sitting around a circular table, not necessarily in the same order. All of them are facing the center.

I. Peter is sitting exactly opposite to Jack.

II. Justin is the only person sitting between Bruce and Peter.

III. Sheldon is sitting to the immediate left of Jack.

6. Who among the following are not the immediate neighbours?

A. Bruce and Justin

B. Nicholas and Peter

C. Nicholas and Justin

D. Jack and Sheldon

Answer: C

7. Who is sitting second to the right of Peter?

A. Peter

B. Justin

C. Jack

D. Sheldon

Answer: D

8. Who is sitting to the opposite of Sheldon?

A. Bruce

B. Justin

C. Peter

D. Nicholas

Answer: B

9. Which of the following is false regarding the position of Jack?

- A. Jack is sitting third of the left of Nicholas.
- B. Jack is sitting second to the right of Nicholas.
- C. Jack is sitting between Bruce and Sheldon.
- D. Jack is sitting to the immediate left of Bruce

Answer: A

Direction for Q10 to Q13: Read the following information given below and answer the questions that follow:

There were six participants - M, N, O, P, Q and R in the final of coffee making competitions. The six participants belong to six different locations - Delhi, Mumbai, New York, Paris, Tokyo and London. David, the judge of this competition, rated the coffee prepared by the participants on a scale of 1 to 10 giving a unique rating to each participant.

- I. R was from London.
- II. Participants from New York got the highest ranking, but was not O.
- III. Only two participants got ratings in even numbers.
- IV. The rating of O was double the rating of Q.
- V. N got the minimum rating and the rating was an even number.
- VI. O got a higher rating than M.

10. What was the second highest rating given?

- A. 7
- B. 8
- C. 9
- D. 6

Answer: A

11. Who belongs to New York?

- A. P
- B. Q
- C. Cannot be determined
- D. M

Answer: A

12. What was the rating of coffee prepared by Q?

- A. 3
- B. 2
- C. 6
- D. 5

Answer: A

13. Which of the following statements is definitely true?

- A. P got a rating of 10
- B. M got a rating of 5
- C. O belongs to Mumbai
- D. Q belongs to Paris

Answer: B

Direction for Q14 to Q15: The statement given below is followed by two conclusions. Assume the statement is true, even if it contradicts commonly known facts, and determine the conclusion/s that logically follow/s from the statement.

14. Statement: Social gatherings could turn into COVID super spreader events if safety norms are flouted. Conclusions:

I. The coming festive season could be dangerous if safety norms are flouted and lead to a surge in COVID cases.

II. Vaccine provides over 95% protection against severe disease and hospitalisation.

- A. Both conclusion I and conclusion II follow
- B. Only conclusion I follows
- C. Only conclusion II follows
- D. Neither conclusion I nor conclusion II follows

Answer: B

15. Statement:

Government has started to offer incentives and subsidies on Electric Vehicles.

Conclusions:

I. Pollution can be mitigated by the use of electric vehicles.

II. Electric vehicles are not pocket friendly as compared to conventional petrol/diesel vehicles.

- A. Both conclusion I and conclusion II follow
- B. Only conclusion I follows
- C. Neither conclusion I nor conclusion II follows
- D. Only conclusion II follows

Answer: D

## Accenture Abstract Reasoning

1. Mark the odd one out from the given options.

- A. BDG
- B. FHK
- C. OQT
- D. NPT

Answer: D

2. Mark the option that best completes the comparison.

Sun : Solar System :: Brakes : ?

- A. Car
- B. Office

- C. Recess
  - D. Time
- Answer: A

3. Mark the option that best completes the comparison

Rainbow: Sky :: Movie :?

- A. Car
- B. Picture
- C. Theatre
- D. Actor

Answer: C

4. Find the missing term in the series given below:

12, 20, 33, 51, ?, 102

- A. 69
- B. 82
- C. 74
- D. 78

Answer: C

5. Find the missing term in the series given below:

112, 111, 107, 98, ?, 57

- A. 83
- B. 79
- C. 82
- D. 87

Answer: C

6. Find the missing term in the series given below:

CEG, PSU, KMO, XAC, SUW, ?

- A. FIK
- B. EHJ
- C. FHJ
- D. JKL

Answer: A

7. If in a certain code language, "PACEMAKING" is coded as "UEFGNFOLPH", then how would "KABALISTIC" be coded in the same language?

- A. PEECMNWWKD
- B. PEEDMNWYKD
- C. OEECNMWWKE
- D. PEDCNMWWKD

Answer: A

1. Salesforce is an example of which of the following type of cloud-based services?

- A. SaaS
- B. IaaS
- C. IDaaS
- D. PaaS

Answer: A

2. As per which of the following essential characteristics of cloud, the hosted application should be reachable via any network-based appliance?

- A. On-demand self-service
- B. Broad network access
- C. Resource pooling
- D. Rapid elasticity

Answer: B

3. In which of the following type of hardware virtualization, the guest software run their own isolated domains?

- A. None of the mentioned options
- B. Emulation virtualization
- C. Paravirtualization
- D. Full virtualization

Answer: C

4. Which of the following are the PaaS characteristics that define it as a cloud service?

- 1. Builds on virtualization technology
- 2. Provides a variety of services to assist with the development, testing, and deployment of apps
- 3. Integrates web services and databases

- A. All 1, 2 and 3
- B. 1 and 3
- C. 1 and 2
- D. 2 and 3

Answer: A

5. Data availability, as a security service is threatened by which of the following type of attack?

- A. Denial of service attack
- B. Masquerading
- C. Modification of message
- D. Repudiation

Answer: A

6. The given IP Address belongs to which of the following IP Class?

10.50.13.40

- A. Class A

- B. Class C
  - C. Class B
  - D. Class D
- Answer: A

7. In which of the following type of cyber-attacks, emails as shown in the image are sent to victims?

- A. Phishing
- B. Man-in-the-middle attack
- C. Denial of Service attack
- D. SQL injection

Answer: A

8. In OSI reference model, which of the following data units is exchanged between two transport layers?

- A. Frame
- B. Bits
- C. Segment
- D. Packet

Answer: C

9. IPV6 protocol is implemented on which of the following layer of OSI model?

- A. Application layer
- B. Presentation layer
- C. Physical layer
- D. Network layer

Answer: D

## Accenture Coding

1. Sum of odd integers in array  
Problem statement An odd number is an integer which is not a multiple of 2. You are required to implement the following function:

```
int SumOddIntegers(int arr[], int n);
```

The function accepts an integer array 'arr' of length 'n' as its argument. You are required to calculate the sum of all odd integers in an array 'arr' and return the same.

Array can have negative integers  $n > 0$  Computed values lie within integer range  
Example:

Input:

```
arr: 1 4 6 7 10 12 11 5
```

```
n: 8
```

Output: 24

Explanation:



The odd integers in array {1, 4, 6, 7, 10, 12, 11, 5} are {1, 7, 11, 5} and their sum is 24, hence 24 is returned. The custom input format for the above case:

8

1 4 6 7 10 12 11 5

(The first line represents 'n' the second line represents the elements of the array)

Sample Input

arr: 2 4 9 7 11 13 25 31 6 8 10 24

n: 12

Sample Output

96

The custom input format for the above case:

12

2 4 9 7 11 13 25 31 6 8 10 24

(The first line represents 'n', the second line represents the elements of the array) Code Solution in C:

```
1 #include <stdio.h>
2 int sumAllOdds(int arr[], int size) {
3     int sum = 0;
4     for(int i = 0 ; i < size; i++) {
5         if(arr[i] % 2 != 0) { // checks if number is odd
6             sum += arr[i];
7         }
8     }
9     return sum;
10 }
11
12 int main() {
13     int n;
14     scanf("%d",&n);
15     int a[n];
16     for(int i=0;i<n;i++)
17     {
18         scanf("%d",&a[i]);
19     }
20     printf("%d\n",sumAllOdds(a,n));
21     return 0;
22 }
```