2026 CAPGEMINI TEST-1

Test Summary

* No. of Sections: 3
* No. of Questions: 47
* Total Duration: 90 min

Section 1 - VERBAL

Section Summary

* No. of Questions: 20
* Duration: 20 min

Additional Instructions:

None

Q1.

Mark the option best suited to replace the underlined portion of the sentence given below.

He may have a honest personality.

An honest personality

An honest personal

Honest personality

Honest a personality

Q2.

**Convert the voice of the given statement :**

Rohit was taken to the hospital by the villagers.

Rohit was helped by the villagers to reach the hospital

The villagers took Rohit to the hospital

The villagers has reached the hospital with Rohit

The villagers reached the hospital with Rohit

Q3.

**Read the passage given below and answer the question that follows.**

Life on, above and underwater has long captivated Jana Winderen. Delving into the hidden depths to uncover the complexity and mystery of the invisible world beneath, reaching places and creatures that are hard to access, the 55-year-old Norwegian artist brings the audio topography and richness of the oceans to the surface. As fish, crustaceans, aquatic insects and mammals use sound to communicate, orient, hunt and meet across the globe’s oceans, she has recorded everything from seals, dolphins, humpback whales, shrimp, cod, perch, damselfish, bats and even coral reefs.

Creating intensely moving experiences, her works may be viewed as a call to action in light of urgent environmental issues that we may be less aware of since we can’t see them directly, as they are submerged in the seas.

Winderen has long been obsessed with the ecological impact of ever-present manmade sounds on our planet, saying, “For all creatures that live in the ocean that are dependent on communicating with each other, all these sounds that humans are pouring into the water are stressing them. I think we are not so much aware of it, but it’s very important that more attention be placed on it because if people knew, they wouldn’t necessarily do it. It’s unbelievable that we are allowing this to happen around us. But it’s also about the listening experience itself and our position as human beings. We have input from everywhere all the time. We are filtering reality. I think it’s time to ‘put your finger in the earth’, as we say in Norway, which means to recalibrate or ground yourself, to get real.”

State whether the following statement is true or false.

The artist creates works to bring attention to less known environmental issues.

TRUE

FALSE

Cannot be determined

Q4.

**Directions: The 1st and the last parts of the paragraph are numbered 1 and 6. The rest of the paragraph is split into four parts and named P, Q, R and S. These four parts are not given in their proper order. Read the sentence/ paragraph and find out which of the four combinations is correct.**

1. Employees need to follow a meaningful set of guidelines designed to minimize risks while encouraging creativity.

P. They must establish a meaningful corporate culture that encourages a sense of entrepreneurship.

Q. Seniors managers have a large role to play in this balancing act.

R. They have to find ways of encouraging mass experiments while limiting possible threats to the company's existence.

S. They need to make sure the workers they hire have the skills necessary to drive the company forward.

6. If all goes well, natural leaders will 'emerge' to move the organization forward.

QSRP

QSPR

SQRP

PSQR

Q5.

**Mark the option which best expresses the sentence in Passive voice.**

We forced the opponent to surrender in War of Duty.

The opponent was forced to surrender by us in War of Duty

We forced in War of Duty to surrender the opponent.

In War of Duty, we forced the opponent to surrender.

None of the mentioned options

Q6.

**Mark the option best suited to replace the underlined portion of the sentence given below.**

On seeing the Lion he was too much scared.

much

very much

for much

that much

Q7.

**Mark the option best suited to replace the underlined portion of the sentence given below.**

Liza was much ambitious but she did not work hard enough.

So much of ambition

Very ambitious

Much more ambition

Mostly ambitious

Q8.

Convert from Direct to Indirect speech.

She said, “I saw a snake here.”

She said that she saw a snake here.

She said that she saw a snake there.

She said that she had seen a snake here.

She said that she had seen a snake there.

Q9.

**In the following question, statements 1 and 6 are respectively the first and the last sentences of a paragraph and statements A, B, C and D come in between them. Rearrange A, B, C and D in such a way that they make a coherent paragraph together with statements 1 and 6. Select the correct order from the given choices and mark its number as your answer.**

1. Experts think that our planning has failed miserably.

A. Thus we have not succeeded in establishing a socialistic pattern of society.

B. A good percentage of our population is still living below the poverty line.

C. Thirty years of planning has failed to narrow the gap between the rich and the poor.

D. The rich have grown richer and the poor poorer.

6. Still we hope for a better planning and a better way of life.

CBDA

CBAD

BCDA

CDBA

Q10.

Choose a word that can replace the word “cheeky”

pertinent

promising

diseased

disrespectful

Q11.

**Read the statement given below and decide whether it is a Fact, an Inference or a Judgement.**

The Headmaster's speech lasted for an hour yesterday.

Fact

Inference

Judgement

Q12.

**Mark the option which best expresses the sentence in Passive voice.**

Isla's mother loves her.

Isla is being loved by her mother.

Isla's mother loves Isla.

Isla is loved by her mother.

Mother loves Isla.

Q13.

**Mark the option which best expresses the given sentence in Indirect speech.**

“That is my animal,” said he.

He said that is my animal

He told that it's his animal

He said that that was his animal

None of the mentioned options

Q14.

**From the given options choose the one which best expresses the given sentence in active/passive voice:**

Mother made a cake yesterday.

A cake made by mother yesterday.

A cake is made by mother yesterday.

A cake was made by mother yesterday.

yesterday a cake was made

Q15.

Identify the part of the sentence which is grammatically incorrect

The front page story was about a school girl/ (b) that had hurt herself/ (c) while saving a child in an accident./ (d) No error.

(a)

(b)

(c)

(d)

Q16.

**Fill in the blank with appropriate article**

I know \_\_\_\_\_\_\_ truth.

a

an

the

no article required

Q17.

In the question below is given a statement followed by several assumptions. An assumption is something supposed or taken for granted. You have to consider the statement along with the assumptions and then decide as to which of the assumptions is implicit in the statement.

Statement : “Do not allow any candidate to leave the examination hall until the examination is over, except when an emergency calls for." - An instruction to the supervisor.

Assumption :

I.  The supervisor himself is not supposed to leave the examination hall unattended.

II. The supervisor has the authority to determine the extent of emergency.

III. The examination is for less than two hours.

Only I is implicit

None is implicit

Only II is implicit

I and II are implicit

Q18.

**Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (E), i.e. ‘No error’.**

My brother – in – laws (A) / who live in Bombay (B) / have come to stay with us (C) / No error (D).

(A)

(B)

(C)

(D)

(E)

Q19.

A number of sentences are given below which, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter. Choose the most logical order of sentences from among the four given choices to construct a coherent paragraph.

A. U.N. studies show that the gap between rich and poor is wider in Africa than anywhere else in the world.

B. What makes the unrest in Kenya most alarming is that its root causes are maladies that still plague other, less stable African states.

C. Despite Kenya's overall economic growth, 58% of its people are poor.

D. The first is poverty.

E. Despite the continent's recent economic growth, the number of its poor grew from 288 million in 1981 to 516 million in 2001.

AEDCB

BDCAE

CBDAE

BEADC

Q20.

In the question below is given a statement followed by three courses of action numbered I, II and III. On the basis of the information in the statement, you have to assume everything in the statement to be true, then decide which of the three given suggested courses of action logically follows for pursuing.

**Statement :**

The traffic has increased so much in the recent past that it takes atleast an hour to travel between ISBT and Daryaganj during peak hours.

**Course of action :**

I.  Buses should not be allowed to ply on the road connecting ISBT and Daryaganj.

II. The load of traffic should be diverted through various link roads during peak hours.

III. The departure and arrival of buses should be regulated so as to avoid congestion during peak hours.

All follow

Only I and II follow

Only I follows

Only II follows

Section 2 - Q&R

Section Summary

* No. of Questions: 15
* Duration: 20 min

Additional Instructions:

None

Q1.

Which choice of numbers makes calculations accurate for the expression below?

A white rectangular sign with black text

AI-generated content may be incorrect.

7,8,2

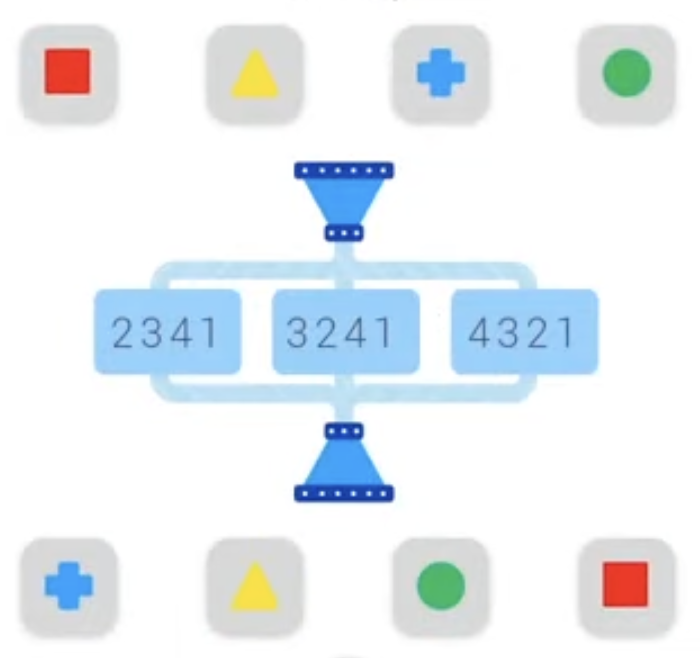
9,6,7

9,8,5

7,6,1

Q2.

What is the new order of the objects after shapes have been switched?



2341

3241

4321

Q3.

Move the red ball to the hole (marked black) in the given grid.



Find the minimum required moves:

1. i) Purple block - 1 position upward ii) Blue block – 2 positions upward
2. i) Blue block – 1 position upward ii) Purple block – 1 position leftward
3. i) Blue block – 2 position upward ii) Purple block – 1 position leftward
4. i) Purple block – 2 positions leftward ii) Blue block – 1 position rightward and 1 position upward

1

2

3

4

Q4.

The ratio of the circumference of a circle to its diameter is 22 : 7. Find the circumference of a circle 2 cm and 1 mm in diameter.

21 mm

21 cm

6.6 cm

44 mm

Q5.

The diameter of a right circular cone is increased by 10% and its height is decreased by 10%. The percentage increase in its volume is

3.9%

5.9%

8.9%

10%

Q6.

AB and CD are parallel straight lines of lengths 5 cm and 4 cm respectively. AD and BC intersect at a point O such that AO = 10 cm. Then OD is equal to

10 cm

8 cm

6 cm

4 cm

Q7.

On simplification, gives

Q8.

Raghunandan performs 9/30th of his total journey by ship, 5/18th by a horse carriage and the remaining 10 km on foot. The length of the total journey is

450/19 km

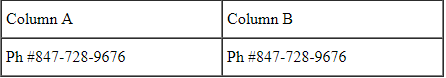
24.62 km

27.2 km

92 km

Q9.

Is column A alike or different than column B?



Alike

Different

Q10.

Kareena travels 5 km straight followed by 12 km towards her right. What is the distance between the starting and the final position of Kareena?

13 km

17 km

7 km

11 km

Q11.

From a book containing 100 page one page is selected randomly. What is the probability that the sum of the digits of the page number of the selected page is 11?

11/100

11/50

1/25

2/25

Q12.

In how many ways can the 7 letters M, N, O, P, Q, R, S be arranged so that P and Q occupy continuous positions?

1340

1400

1240

1440

Q13.

I sell a table for Rs.24 and thus make a percentage of profit equal to the cost price. What did the table cost me?

Rs.10

Rs.20

Rs.40

Rs.30

Q14.

21 pencils and 29 pens cost Rs.79. But if the number of pencils and pens were interchanged, the cost would have reduced by Rs.8. Find the cost of each pen.

Re.1

Re.2

Re.3

Re.4

Q15.

The average of the daily wages of A and B is Rs.4.70, that of B and C is Rs.5 and that of C and A is Rs.3.80. Find the daily wages of each.(in Rs.)

3.5, 5.9, 4.1

3.2, 5.8, 4.2

3.5, 4.0, 5.0

3.5, 6.0, 4.1

Section 3 - TECHNICAL

Section Summary

* No. of Questions: 12
* Duration: 50 min

Additional Instructions:

None

Q1.

Comment on the following program.

A screenshot of a computer code

AI-generated content may be incorrect.

The program always crashes

The program always prints 0 six times followed by garbage value

Compiler Error: Array index out of bound

The program may print 0 five times followed by garbage value, or may crash if address (arr+5) is invalid

Q2.

Consider an array representation of a binary tree, if the root of the tree is at position 0, then the node at position n is the parent of nodes:

2n-1 and 2n

2n and 2n+1

n+1 and n+2

2n+1 and 2n+2

Q3.

What is the functionality of the following piece of code?

A screenshot of a computer program

AI-generated content may be incorrect.

Find and delete a given element in the list

Find and return the given number in the list

Find and return the position of the given element in the list

Find and insert a new element in the list

Q4.

For the given graph(G), which of the following statements is true?

A diagram of a network

AI-generated content may be incorrect.

G is a complete graph

G is not a connected graph

The vertex connectivity of the graph is 2

The edge connectivity of the graph is 1

Q5.

What will be the output of the following pseudocode?

A screenshot of a math test

AI-generated content may be incorrect.

44

34

54

55

Q6.

Given two sorted lists of size m and n respectively. The number of comparisons needed in the worst case by the merge sort algorithm will be

m x n

Maximum of m and n

Minimum of m and n

m + n - 1

Q7.

Which of the following lines does not compile?

A black text on a white background

AI-generated content may be incorrect.

P3

P2

P1

No Output

Q8.

What will be the output of the following pseudocode?

A screenshot of a math test

AI-generated content may be incorrect.

12

16

23

20

Q9.

Fill in the missing statements in the code to obtain the given output.

A screenshot of a computer program

AI-generated content may be incorrect.

(1) i=0;i<10;i=2

(2) a[i]+1000

(1) i=0;i<10;i=i+2

(2) a[i]+1000

(1)i=0;i<10;i++2

(2)a[i]+1000

(1)i=0;i<10;i=i+2

(2)a[i+2]+1000

Q10.

What will be the output of the following program?

A screenshot of a computer code

AI-generated content may be incorrect.

ABC

ABCD

AB

None of the mentioned options

Q11.

**Problem Statement:**

Suppose you have been keeping an eye on the stock market for a while, and you have been tracking the daily prices of a particular stock. You want to make a profit by buying and selling the stock at the right time.

Given the array of prices of the stock on each day, you need to figure out the best strategy to maximize your profit.

However, if the stock prices are constantly decreasing, there is no way for you to make a profit.

**Example 1:**

**Input:**

7

arr[] = {100, 180, 260, 310, 40, 535, 695}

**Output:**

865

**Explanation:**

Buy the stock on day 0 and sell it on day 3 => 310 – 100 = 210

Buy the stock on day 4 and sell it on day 6 => 695 – 40 = 655

Maximum Profit = 210 + 655 = 865

**Example 2:**

**Input:**

5

arr[] = {4, 2, 2, 2, 4}

**Output:**

2

**Explanation:**

Buy the stock on day 1 and sell it on day 4 => 4 – 2 = 2

Maximum Profit = 2

Input Format

The first line contains an integer **N**, representing the number of days.

The second line contains **N** space-separated integers representing the stock prices on consecutive days.

Output Format

The output prints a single integer, which is the maximum profit that can be achieved.

**Refer to the sample output for the formatting specifications.**

Constraints

In this scenario, the given test cases will fall under the following constraints:

1 ≤ N ≤ 100

1 ≤ Price ≤ 103

Sample Input

7

100 180 260 310 40 535 695

Sample Output

865

Sample Input

5

4 2 2 2 4

Sample Output

2

Sample Input

5

10 8 6 4 2

Sample Output

0

Sample Input

5

1 3 5 7 9

Sample Output

8

Time Limit: - ms Memory Limit: - kb Code Size: - kb

Q12.

Robert is given a string that ends with a character or a number. He has to check the length of the given string and append it to the end in such a way that if the original string ends with a number then the new string with the appended value must have length of the string as the last two characters. If the string ends with a character then append the total length as the last character.

Also, the number to be appended must be a single positive digit. Write a code to implement the given scenario.

Input Format

Input consist of a string

Output Format

Output displays the single digit value to be appended. If the value is more than one digit or no digit is to be appended, then print -1.

Sample Input

abcdefghijklmnop1

Sample Output

6

Time Limit: 10 ms Memory Limit: 256 kb Code Size: 1024 kb

Answer Key & Solution

Section 1 - VERBAL

Q1

An honest personality

Solution

We know that if the word is starting with a vowel sound, 'an' should be the article that should be used before the word.

Here, Honest has a vowel sound at the starting. So, it should be 'an honest personality.'

Q2

The villagers took Rohit to the hospital

Solution

The given statement is in Passive, hence it needs to be converted to Active.

The villagers becomes subject, Rohit becomes object.

was taken (be + V3 form of take) becomes 'took' (V2 from of take)

Hence, The villagers took Rohit to the hospital.

Q3

TRUE

Solution

From the second paragraph, the lines "Creating intensely...., her works may be viewed...since we can't see them directly". From these lines, we can say that the given statement is true.

Q4

QSRP

Solution

Here the correct answer is **QSRP**.

:-

* The first sentence focuses on the need for the employees to follow a set of guidelines.
* The next one will be**Q**as**it talks about the balancing act**which is previously mentioned in **sentence 1** i.e.**to make a balance between following a set of guidelines as well as encouraging creativity.**
* Since all the other sentences have a ‘they’ in them it is assumed that the senior managers are referred to as ‘they’.
* The next sentence is **S**which describes what is the primary role of senior managers.
* **R**continues to describe the other roles of senior managers i.e. to find ways of encouraging mass experiments while limiting possible threats to the company's existence.
* The next sentence is **P**which further tells about the need of establishing a meaningful corporate.
* The last sentence then concludes the paragraph by stating the effects.
* The correct order is **QSRP**.

Q5

The opponent was forced to surrender by us in War of Duty

Solution

Here,

Subject - We

Verb - Forced

Object - The opponent

In passive voice, the subject and the object swap their positions.

So, the subject - The opponent

The object - us (Since 'we' will become 'us' when placed in the object position)

Passive Voice Structure:

Subject + be form + Verb (V3) + by + Obejct

So, the passive voice is The opponent was forced to surrender by us in War of Duty.

Q6

very much

Solution

Here, we need to replace 'too much' in the sentence with a suitable option.

The meaning of 'too much' is beyond the limit.

Once such sense of meaning is in Option A i.e. Very much.

Q7

Very ambitious

Solution

The suitable replacement of much ambitious can be very ambitious.

Also, the remaining options are not suitable.

Q8

She said that she had seen a snake there.

Solution

The given sentence is in direct speech and we will change it into indirect speech. The inverted commas (“ “) used in Direct Narration will be removed in Indirect Narration and “that” conjunction will be used. The tense of the reported verb is in simple past tense and according to the rules of narration, it will be changed to past perfect tense.

"She said that she had seen a snake there" will be the correct conversion.

Q9

CBDA

Solution

Statement 'C' gives an idea of what makes experts think that our planning has failed. Therefore, 'C' follows 1. 'B' follows 'C'. 'D' further explains 'C' and talks of 'rich arid poor'. The author gives his conclusion based on the above-stated evidence in statement 'A', which precedes statement 6.

Choice (1)

Q10

disrespectful

Solution

The meaning of cheeky is not respecting someone or not being polite.

The option which is suitable to the meaning of cheeky is Disrespectful which means not respectful.

Q11

Inference

Solution

The above statement is an Inference. Something happened yesterday and on the basis of the situation. we are passing a statement.

Q12

Isla is loved by her mother.

Solution

Structure of Passive Voice: Subject + be form + Verb (V3) + by + Object

Subject - Isla

Be form - is

Verb (V3) - loved

Object - Isla's mother - her mother

So, the passive voice is Isla is loved by her mother.

Q13

He said that that was his animal

Solution

The given sentence 'That is my animal' is in the present tense.

So, the verb should be changed from 'is' to 'was'

When we convert it into indirect speech, it should become past tense.

Also, 'my' should be changed to 'his'

So, the indirect speech should be 'He said that that was his animal'

Q14

A cake was made by mother yesterday.

Solution

Solution:

The given sentence is in active voice and simple past tense.

When the voice is changed,

made becomes was made. The right answer is "A cake was made by mother yesterday."

Q15

(b)

Solution

Antecedent of THAT is A SCHOOL GIRL. So Relative Pronoun Must be WHO.

Q16

the

Solution

The is used to highlight one particular object.here truth is one such object

Q17

I and II are implicit

Solution

Assumption (I) is implicit since it is the supervisor who is going to be the in- charge at the examination hall. Assumption (II) is implicit since the extent of emergency requirement would naturally have to be decided on the spot (and cannot be predefined). Assumption (III) is not implicit since nothing can be implied about the duration of the examination. Ans.(4)

Q18

(A)

Solution

No Solution

Q19

BDCAE

Solution

'B' is the opening sentences as it introduces 'Kenya' and the maladies that plague it follows as it states one of those maladies - poverty. The rest of the paragraph talks about 'poverty'. 'C' follows 'D' as it also talks about poverty. 'E' cannot follow 'D' as it says 'the continents', which is a reference to Africa and to Kenya. 'A' and 'E' form a pair as 'A' talks about poverty in Africa and 'E' says 'the continent s. Hence the right sequence is BDCAE.

Q20

Only II follows

Solution

Stoppage of buses plying between ISBT and Daryaganj during peak hours will create problems for commuters on this route. Moreover, regulation of arrival and departure of buses during peak hours will again cause inconvenience to the commuters. Hence only diversion of traffic through various link roads is the right course of action.

Section 2 - Q&R

Q1

9,6,7

Solution

(9-6) x 7 = 3 x 7 = 21

Q2

3241

Solution

No Solution

Q3

3

Solution

No Solution

Q4

6.6 cm

Solution

2 cm, 1 mm = 21 mm. Hence circumference = 22/7 x 21 mm = 66 mm = 6.6 cm.

Q5

8.9%

Solution

The original volume = 1/3 π(½ d)2h = (π/12)d2h

The new volume = 1/3π[(½ 1.1d)2 (0.9)h] = π/12(1.089d2h)

Q6

8 cm

Solution

No Solution

Q7

A number equation with numbers and lines

AI-generated content may be incorrect.

Q8

450/19 km

Solution

Let the total length of journey, performed by Raghunandan be x km.

According to the given condition, x – (9/30) x – (5/18) x = 10

=> (90x – 27x – 25x) / 90 = 10 => 38x = 10 x 90

Or x = (10 × 90) / 38 = 450/19 km. **Ans.(1)**

Q9

Alike

Solution

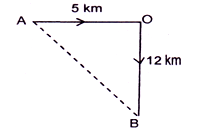
No Solution

Q10

13 km

Solution

The path traversed by



Kareena is as follows.

Let A be the initial position and B the final position.

Distance AB

= √((OA)2 + (OB)2)

OA = 5 km, OB = 12 km

AB = √((5)2 + (12)2) = √(25 + 144) = √(169) = 13 km.

Q11

2/25

Solution

Favourable ways (29, 92, 38, 83, 47, 74, 56, 65)

Hence required

Q12

1440

Solution

For arranging the 7 letters keeping P and Q always together, we have to view P and Q as one letter. Let this be denoted by PQ. Then, we have to arrange the letters. M, N, O, P, Q, R and S in a linear arrangement. Here, it is arranging 6 letters in 6 places (since 2 letters are counted as one). This can be done in 6! Ways. However, the solution is not complete at this point of time since in the count of 6!, the internal arrangement between P and Q is neglected. This can be done in 2! Ways.

Hence the required answer is 6! x 2! = 1440.

Q13

Rs.20

Solution

Let the cost price and profit be X.

(SP – CP)/CP × 100 = Percentage Profit => (24 – X)/X × 100 = X. C.P.

X2 + 100X – 2400 = 0 => (X + 120) (X – 20) = 0. X = –120 is not possible, hence X = 20.

Short-cut: Working backward from options will give the faster solution.

Q14

Re.2

Solution

By the given conditions in the question

21x + 29y = 79 and 29x + 21y = 71.

It gives x = 1 and y = 2.**Ans(2)**

Q15

3.5, 5.9, 4.1

Solution

A + 8 = 4.7 × 2 = 9.4 ....(1)

B + C = 10         ....(2)

C + A = 7.6         ....(3)

On solving these 3 equations, we get A = Rs.3.5, B = Rs.5.9, C = Rs.4.1.

Short-cut: Work backwards from the options.

Section 3 - TECHNICAL

Q1

The program may print 0 five times followed by garbage value, or may crash if address (arr+5) is invalid

Solution

No Solution

Q2

2n+1 and 2n+2

Solution

Nodes 2n+1 and 2n+2 will be children of node n.

Q3

Find and return the position of the given element in the list

Solution

Explanation: When temp is equal to data, the position of data is returned.

Q4

The vertex connectivity of the graph is 2

Solution

To explain: After removing vertices B and C, the graph becomes disconnected.

Q5

54

Solution

Initially a=9, b = 11, c=9

First if blocks get failed, but second if block gets executed and set c=12 and a=31

As a result 31+11+12 => 54

Q6

m + n - 1

Solution

To merge two lists of size m and n, we need to do m+n-1 comparisons in the worst case. Since we need to merge 2 at a time, the optimal strategy would be to take the smallest size lists first. The reason for picking the smallest two items is to carry minimum items for repetition in merging. So, option m+n-1 is correct.

Q7

P1

Solution

No Solution

Q8

16

Solution

Initially **a=1**, b=6, c=4

c value set as 11 (c=10+1)

If block gets executed and set 'c' as 1. (i.e) (6+9) & 1

15 => 1111

1 => 0001

15&1=>0001 (**c=1**)

b= 1+7+6 => **b=14**

As a result, it displays 1+14+1 = 16.

Q9

(1) i=0;i<10;i=i+2

(2) a[i]+1000

Solution

No Solution

Q10

ABC

Solution

We are just printing the values of first 3 values.

ABC

Q11

Solution

import java.io.\*;

import java.util.\*;

class GFG {

static int maxProfit(int prices[], int size)

{

// maxProfit adds up the difference between

// adjacent elements if they are in increasing order

int maxProfit = 0;

// The loop starts from 1

// as its comparing with the previous

for (int i = 1; i < size; i++)

if (prices[i] > prices[i - 1])

maxProfit += prices[i] - prices[i - 1];

return maxProfit;

}

// Driver code

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

// stock prices on consecutive days

int price[] = new int[n];

for(int i=0;i<n;i++)

{

price[i]=sc.nextInt();

}

// function call

System.out.println(maxProfit(price, n));

}

}

Or

#include <stdio.h>

int maxProfit(int prices[], int size) {

int maxProfit = 0;

for (int i = 1; i < size; i++) {

if (prices[i] > prices[i - 1]) {

maxProfit += prices[i] - prices[i - 1];

}

}

return maxProfit;

}

int main() {

int n;

scanf("%d", &n);

int price[n];

for (int i = 0; i < n; i++) {

scanf("%d", &price[i]);

}

int profit = maxProfit(price, n);

printf("%d\n", profit);

return 0;

}

#include <iostream>

using namespace std;

int maxProfit(int prices[], int size) {

int maxProfit = 0;

for (int i = 1; i < size; i++)

if (prices[i] > prices[i - 1])

maxProfit += prices[i] - prices[i - 1];

return maxProfit;

}

Or

int main() {

int n;

cin >> n;

int price[n];

for (int i = 0; i < n; i++) {

cin >> price[i];

}

cout << maxProfit(price, n) << endl;

return 0;

}

Q12

Solution

#include <bits/stdc++.h>

using namespace std;

// Function to return the requried digit

int find\_digit(char\* s, int n)

{

// To store the position of the first

// numeric digit in the string

int first\_digit = -1;

for (int i = n - 1; i >= 0; i--) {

if (s[i] < '0' || s[i] > '9') {

first\_digit =i;

break;

}

}

first\_digit++;

// To store the length of the

// string without the numeric

// digits in the end

int s\_len = first\_digit;

// pw stores the current power of 10

// and num is to store the number

// which is appended in the end

int num = 0, pw = 1;

int i = n - 1;

while (i >= 0) {

// If current character is

// a numeric digit

if (s[i] >= '0' && s[i] <= '9') {

// Get the current digit

int digit = s[i] - '0';

// Build the number

num = num + (pw \* digit);

// If number exceeds the length

if (num >= s\_len)

return -1;

// Next power of 10

pw = pw \* 10;

}

i--;

}

// Append 0 in the end

num = num \* 10;

// Required number that must be added

int req = s\_len - num;

// If number is not a single digit

if (req > 9 || req < 0)

return -1;

return req;

}

// Driver code

int main()

{

char s[100];

scanf("%s", &s);

int n = strlen(s);

printf("%d", find\_digit(s, n));

return 0;

}

Top of Form

Bottom of Form

Top of Form

Bottom of Form