2026 TECH MAHINDRA TEST-3

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.

A sentence is given with five words highlighted and marked as (A), (B), (C), (D) and (E). Choose the option with the pair(s) of words that need to be interchanged to make the sentence grammatically and contextually correct.

He was **down (A)** on the grass till the **totally (B)** ran over **him (C)**, and the flies **settled (D)** on his nose while he was **beetles (E)** ill till late in the night.

A-D

B-E

C-B

No change required

Q2.

**Fill in the blank using the appropriate answer option :**

Using language that equates disability to do something \_\_\_\_\_\_ can be problematic in several ways.

depression

optimistic

favorable

negative

Q3.

**From the options given below, select the option that states the incorrect set of sentences.**

A. Standing about 10 inches tall, the shy animal once roamed the border regions of India, Nepal, and Bhutan.

B. When I got involved in this project, I realized this could give me the purpose that I have been searching for my entire death.

C. But the story doesn't end there, because the novel science that we will do for this mission will benefit all of humanity.

A only

B only

A and C

B and C

None of the mentioned options

Q4.

**Complete the following sentence by choosing the right option.**

Barbara, your boyfriend is waiting for you **.......** in the car.

around

outside

above

against

Q5.

Select the most suitable synonym:

**Detest**

Argue

Hate

Discover

Reveal

Q6.

**Choose the word that is most nearly opposite in meaning to the given words.**

EXTEMPORANEOUS:

captious

impeccable

auspicious

rehearsal

None of the mentioned options

Q7.

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

Why did you not agree to my proposal?

Why was my proposal not agreed to?

Why was my proposal not agreed by you?

Why my proposal was not agreed to by you?

Why was my proposal not agreed to by you?

Q8.

**Substitute the given sentences with one word.**

One who offers one’s services,

Fracas

Lament

Volunteer

Grogram

Q9.

Choose the word which conveys the **OPPOSITE**meaning for the word:

Bereft

Full

Deprive

Devoid

Forlorn

Q10.

Choose the best fit for the blanks from the options given. The “x” means that the blank requires no filling.

\_\_\_\_\_\_ word god also refers to a man \_\_\_\_\_\_ superior quality or exceptional beauty.

The, of

A, with

The, with

The, x

Q11.

From the options given below, select the option which states the incorrect set of sentences.

A. Elephants matter because they are self—aware and empathetic, and capable of caring not only about their own lives but the lives of their family and foes.

B. Two of the most powerful city-states in ancient Greece - Sparta, and Athens - went to war thousands of years ago.

C. The influence of human activity on the Earth‘s ecosystems has becomes so extreme that it now seems to be the central driver of environmental change.

B and C

A and C

A only

C only

Q12.

**In the following question, a sentence has been given in Active/Passive Voice. Out of the four alternatives suggested below, select the one that best expresses the same sentence in Passive/Active Voice.**

The child's shrill wail broke the silence.

The silence was being broken by the child's shrill wail

The child's shrill wail was broken by the silence

The silence was broken by the child's shrill wail

The silence was being broke by the child's shrill wail

Q13.

**There are two gaps in each of the following sentences. From the parts of words given below, choose the one that fills the gaps most appropriately. The first word in the pair should fill the first gap.**

If politicians were to rise above their …… interests and agree to exclude creamy layer from quota at least for this session, it would …… their stand-off vis-à-vis the judiciary.

paltry, uphold

cosmopolitan, obscure

insular, embolden

parochial, resolve

Q14.

Fill in the blank with a suitable article from the options given.

She recently became \_\_\_ minister in the new government.

a

an

the

no article

Q15.

**The question below consists of four sentences on a topic. Some sentences are grammatically incorrect or inappropriate. Identify the incorrect sentence or sentences:**

A. I watched the match on T.V with my son.

B. It was so exciting as watching a moth sleep.

C. I considered myself lucky if he grunted a monosyllable response.

D. Even my eye contact was off question.

A and B

A, B and C

B, C and D

B and D

Q16.

If you’ve got such a bad cough, you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ smoke.

needn't

shouldn't

can't

None of these

Q17.

**The sentence is divided into parts 1,2,3 and 4. Identify the part with error and if there is no error mark 4 as the answer:**

There are (1) / no poetries (2) / in my book. (3) / No error. (4)

1

2

3

4

None of the mentioned options

Q18.

In the question given below, out of the four options, pick the one which can be substituted for the given words/ sentence.

A liquid with healing, magical or poisonous properties

Viscous

Potion

Dulcet

Luscious

Q19.

Directions: In this question, a sentence has been given with some of its part in bold. To make the sentence grammatically and contextually correct you have to replace the bold part with the correct alternative given below. If the sentence is correct as it is, mark 'No correction required' as your answer.

Everyone around Sachin in 1988 knew that he would play for India but never thought **he would end up with** all the cricketing records possible.

he would end

he would end in

he would end with

he would end into

No correction required

Q20.

**Change from Direct speech to indirect speech**

Ram said, "I am sorry, I am not able to submit those proofs."

Ram said he was sorry, he is not able to submit those proofs

Ram said that he was sorry and he will not able to submit those proofs

Ram apologized for not being able to submit those proofs

Ram exclaimed with sorrow that he was sorry and he will not be able to submit those proofs

Section 2 - Q&R

Section Summary

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

Additional Instructions:

None

Q1.

Complete the series:

21, 35, 56, 91, 154, ?

289

270

263

273

None of the mentioned options

Q2.

In the question below are given two or three statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the statements, disregarding commonly known facts. Give answer.

**Statements:**

Some books are papers. All plates are records. Some records are books.

**Conclusions:**

I. Some plates are books.

II. Some records are papers.

III. Some papers are plates.

IV. Some books are records.

Only I follows

Only II and III follow

Only I and III follow

Only IV follows

Q3.

If in certain language KINDLE is coded as ELDNIK, then how is EXOTIC coded in that code ?

EXOTLC

CXOTIE

COXITE

CITOXE

Q4.

Pipes P and Q can fill the tank in 24 minutes and 32 minutes respectively. Both pipes are opened together. To have the tank full in 18 minutes, after how many minutes the pipe P must be closed?

22 min

21 min

12.5 min

10.5 min

Q5.

**Find the missing term in the series:**

QAR, RAS, SAT, TAU, \_\_\_\_\_.

UAV

UAT

TAS

TAT

None of the mentioned options

Q6.

Two trains 100 m and 120 m long are running in the same direction with speeds of 72 kmph and 54 kmph. In how much time will the first train cross the second?

44 seconds

46 seconds

48 seconds

49 seconds

Q7.

To fill a cistern, pipes A, B, and C take 25 minutes, 15 minutes and 12 minutes respectively. Find the time in minutes that the three pipes together will take to fill the cistern(approximately).

5 minutes

10 minutes

15 minutes

25 minutes

Q8.

In a certain state, the army was originally organized in battalions, each of 1500 men. After calling up a further 10000 recruits the army was rearranged so that there were 2000 men in each battalion and the state claimed that it had reduced its army by 50 battalions. What was the number of battalions originally?

110

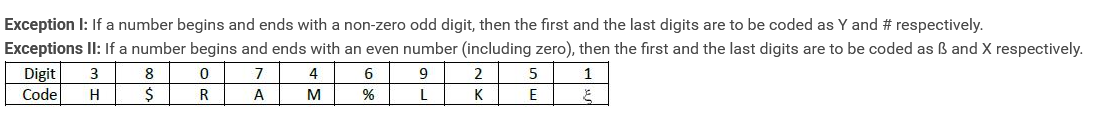
220

330

440

Q9.

**The digits from 0 to 9 are coded as shown below along with the exceptions I and II:**



**Exception I:** If a number begins and ends with a non-zero odd digit, then the first and the last digits are to be coded as Y and # respectively.

**Exceptions II:** If a number begins and ends with an even number (including zero), then the first and the last digits are to be coded as ß and X respectively.

What does **R%LAKε** represent?

069725

697210

069751

None of these

Q10.

Given below is an inequality, which of the following condition is TRUE?

If A > B > C > D = F ≥ G < H

G > C

B > F

G > F

D < G

Q11.

Amit starts from point A and walks 5 m in North-East direction and reaches point B. From here he travels 8 m in the East direction and reaches point C. From C he travels towards South-West direction and reaches point D after travelling a distance equal to AB. At last, he turns towards the West direction and reaches point A. How much distance has been covered by Amit and which geometrical figure has been formed by the path traveled by him?

26m, square

26m, parallelogram

26m, trapezium

16m, parallelogram

Q12.

In the rows of the boys facing towards the north, Deepish is twelfth from the left end of the row and Rohith is nineteenth from the right hand. If they interchange the positions, their Deepish is twenty-first from the left end.

How many total boys are there in the row?

30

37

39

36

Q13.

What is the Next Figure?

A screenshot of a test

AI-generated content may be incorrect.

Q14.

Pointer to a picture, Robert said, 'She is the maternal grandmother of my father's wife's sister's daughter. How is the lady in the picture related to Robert?

maternal grandmother

mother

grandmother

cannot be determined

Q15.

John lost his pen. The teacher questioned students about the theft.

Catherine said, "Tom did it", Tom said, "Alex did it", while Martha said, "I did not do it" and Alex said, "Tom is lying about me"

If only one of the following statements is true, which of the given options is correct?

Catherine is a liar and Alex is telling the truth.

Martha did not do it,and it saying the truth.

Tom says the pen and catherine is right.

Catherine stole the pen

Section 3 - TECHNICAL

Section Summary

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

Additional Instructions:

None

Q1.

Which of the following should be used to find all the courses taught in the Fall 2009 semester but not in the Spring 2010 semester?

SELECT DISTINCT course id

FROM SECTION

WHERE semester = ’Fall’ AND YEAR= 2009 AND

course id NOT IN (SELECT course id FROM SECTION WHERE semester = ’Spring’ AND YEAR= 2010);

SELECT DISTINCT course\_id

FROM instructor

WHERE name NOT IN (’Fall’, ’Spring’);

SELECT course id

FROM SECTION

WHERE semester = 'Spring' AND YEAR= 2010);

SELECT COUNT (DISTINCT ID)

FROM takes

WHERE (course id, sec id, semester, YEAR) IN (SELECT course id, sec id, semester, YEAR

FROM teaches

WHERE teaches.ID= 10101);

Q2.

Which of the following allows LAN users to share computer programs and data?

File server

Network

Communication server

Print server

Q3.

What will be the output of following program ?

A screenshot of a computer code

AI-generated content may be incorrect.

0 1 0 0 0

0 2 0 0 0

0 0 2 0 0

0 0 0 0 0

Q4.

Predict the output for the following code:

A screenshot of a computer code

AI-generated content may be incorrect.

Compile Time Error

n = 7 n = 5 n = 3 n=2

Infinite Loop

No output

Q5.

Which of the following is not a sectioning element?

<article>

<aside>

<nav>

<header>

Q6.

In the following problems, you are told something about the result, and you must determine what the contents of the boxes must have been, in order to obtain that result. In these problems, the expression (number in box X) is abbreviated as (X). For example: "Is (4) greater than (7)?" means "Is (number in box 4) greater than (number in box 7)?" In each of the following problems, no two boxes contain the same number. Which of the boxes 1, 2, 3 CANNOT POSSIBLY contain the largest number, the smallest number?

A diagram of a question

AI-generated content may be incorrect.

Box 2, Box 1

Box 2, Box 3

Box 1, Box 3

Box 4, Box 3

Q7.

Predict the output of the following program:

A screenshot of a computer program

AI-generated content may be incorrect.

a = 10

a = 20

Compile Time Error

Runtime Error

Q8.

**Is the following statement True or False Statement:** If the condition in Step C updates the value in Box 3 instead of Box 2, then the flow chart will enter into an infinite loop

A diagram with text and numbers

AI-generated content may be incorrect.

﻿

True

Zero

Cannot be determined

False

Q9.

Which command creates an empty Git repository in the specified directory?

git reset <file>

git log <since>..<until>

git init <directory>

git ini --bare <directory>

Q10.

The program to print the sum of all cubes that lie between 0 and 100 is given below. Does the program have an error? If yes, which statement should be modified to correct the program?

A screenshot of a math problem

AI-generated content may be incorrect.

Statement 1

Statement 2

Statement 3

Statement 4

Q11.

**Problem Statement**

Eva is at (3, 4) on a 2D grid, and Angel is at an unknown point (x, y). They want to find the Euclidean distancebetween them. Write a program taking Angel's coordinates as input and using built-in mathematical functionsto output the distance.

**Formula:**distance = sqrt((x - 3)2 + (y-4)2)

**Note:** The program should utilize built-in mathematical functions, **pow** and **sqrt**, for accurate calculation of the Euclidean distance.

Input Format

The input consists of two space-separated integers, x and y, representing the coordinates of Angel's location.

Output Format

The output displays a single integer representing the Euclidean distance between Eva and Angel, rounded to the nearest whole number.

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

Constraints

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

1 ≤ x, y ≤ 1000

Sample Input

5 10

Sample Output

6

Sample Input

15 3

Sample Output

12

Sample Input

887 999

Sample Output

1331

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

Q12.

**Problem Statement**

After learning the multiplication table, Louis does not want to write it in the traditional format. He likes to write the multiplication table creatively for odd numbers only. He wants to display the values as shown in the sample output.

Help Louis to display the multiplication table by writing a suitable Java program.

**Note**

The pattern consists of two parts:

* The first part, where 'i' varies from 1 to rows/2+1, prints numbers in each row with increasing values from 'temp' (initially 1) multiplied by 'j'. Each row ends with a line break.
* The second part, where 'i' varies from 1 to rows/2, prints numbers in each row with decreasing values from 'temp' (incremented from the previous part) multiplied by 'j'. Each row ends with a line break.

Input Format

The first line of input consists of an integer **n**, representing the number of rows for the multiplication table.

Output Format

If the input is even, the program will print: "Please Enter ODD number of rows only".

If the input is odd, the program will generate a multiplication table following a specific pattern. Each row will contain numbers that are space-separated, and each row will represent the multiplication of integers from 1 to i, where i is the row number. The number of elements in each row is increasing from the top and then decreases symmetrically.

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

Constraints

1 ≤ n ≤ 103

Sample Input

7

Sample Output

1

2 4

3 6 9

4 8 12 16

5 10 15

6 12

7

Sample Input

8

Sample Output

Please Enter ODD number of rows only

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

Answer Key & Solution

Section 1 - VERBAL

Q1

B-E

Solution

The word 'B' is an adverb, but it is preceded by the definite artilce 'the' suggesting the placement of a noun after the article.

The word 'E' at its position does not convey a logical meaning as to how can a person make beetles ill by laying down on the grass.

Thus, 'B' and 'E' must be swapped.

Q2

negative

Solution

An adjective would fit in the blank to describe the attribute associated with the noun 'disability'.

'Depression' is a noun.So it is eliminated.

'Optimistic' and 'favorable' are adjectives but are contextually unfit because when disability is equated to something unpleasant only then it can be a problem.

'Negative' is an adjective and is suitable for this blank

Q3

B only

Solution

Checking the sentences, we have

Sentence (A) - This sentence has no errors.

Sentence (B) - The sentence talks about a person searching for a purpose and so the usage of word 'death' is contextually incorrect and must be replaced with the word 'life' (searching for purpose throughout the course of life)

Sentence (C) - This sentence has no errors.

Hence, Only B has error

Q4

outside

Solution

No Solution

Q5

Hate

Solution

to detest means to feel intense or violent dislike, or to hate

Q6

rehearsal

Solution

Extemporaneous means Carried out or performed with little or no preparation; impromptu, whereas rehearsed means practised a few times for later.

Q7

Why was my proposal not agreed by you?

Solution

When a sentence is started with wh-words (Who, Which, whom, where, when, why, whose, whom, and how.) then passive voice also starts with same wh-word.

The sentence is in active voice, when the voice is changed, "You" becomes object and "proposal" becomes subject. "Did not agree" becomes "was not agreed"

The right answer is "Why was my proposal not agreed by you?"

Q8

Volunteer

Solution

No Solution

Q9

Full

Solution

Bereft: deprived of or lacking (something).

Q10

The, of

Solution

**First blank –**‘Word’ is definite since specific information has been provided to define it. That piece of specific information is what the word actually is (“God”). Thus the first blank must take the definite article ‘the’. This eliminates option b.

**Second blank: With vs. Of –**‘With’ is used to refer to indicate the meaning of ‘in possession of’.E.g.: She came to me with good news. ‘Of’ is used to indicate characteristics/qualities.E.g.: He is a man of courage. In the given sentence, the talk is about qualities (“superior quality or exceptional beauty”).

Thus ‘of’ is the appropriate preposition to be used.

Q11

A and C

Solution

Let's look at the sentences one by one:

Sentence (A) - The sentence talks elephants being friendly and protecting their family and so the usage of the word 'foes’ is contextually incorrect and is better replaced with noun 'friends'.

Sentence (B) - This sentence has no errors.

Sentence (C) - The auxiliary verb ‘has' must be followed by past participle and thus 'becomes' should be changed to 'become'.

Hence, A and C are incorrect

Q12

The silence was broken by the child's shrill wail

Solution

The silence was broken by the child’s shrill wail. (Passive)

The sentence is in Simple Past Tense. (Active)

Q13

parochial, resolve

Solution

The sentence is if the politicians rise above their measly benefits drawn from OBC votes, their differences with the judiciary’s opinion would be resolved. Option (a) is incorrect as ‘uphold’ means to strength whereas the sentence is trying to reduce the differences between politicians and the judiciary, and insular means narrow minded or inward looking.

Option (b) is incorrect as both the words misfit and changes the meaning of the sentence altogether. Option (c) – embolden is incorrect.

Q14

a

Solution

common and singular noun. Hence ‘a’.

Q15

B, C and D

Solution

Sentence B must have 'as exciting as' not 'so exciting as'.

Sentence C must have the adjective 'monosyllabic' not the noun 'monosyllable' since it qualifies 'response'.

Sentence D should be 'out of the question' (idiom meaning impossible) not 'off question'.

Q16

shouldn't

Solution

The modal verb "shouldn't" is used to express a suggestion or a mild prohibition. In this case, it is being used to tell someone that they should not smoke if they have a bad cough.

Q17

2

Solution

Plural form of Poetry is "Poetry" itself.

Hence, the word Poetries is wrong.

Q18

Potion

Solution

No Solution

Q19

No correction required

Solution

**To end up with someone or something (Idiom):**

to finish with the possession of someone or something or in the company of someone or something.

**Ex.**I thought my date was with Ayesha, but I ended up with her twin sister.

The sentence is absolutely correct and hence requires no correction.

Option E is hence the correct answer.

Q20

Ram apologized for not being able to submit those proofs

Solution

In the given sentence, a person is apologizing for not being able to submit some papers. Therefore, we can use the verb "apologized" in indirect speech.

Section 2 - Q&R

Q1

273

Solution

21 × 2 – 7 = 35

35 × 2 – 14 = 56

56 × 2 – 21 = 91

91 × 2 – 28 = 154

154 × 2 – 35 = 273

Q2

Only IV follows

Solution

A diagram of different types of circles

AI-generated content may be incorrect.

Conclusions:-

I False

II False

III False

IV True

Q3

CITOXE

Solution

KINDLE is coded as ELDNIK.

The alphabets have been arranged in the reverse order.

i.e. Place of K is taken by E which is the last letter.

In similar way,

I is replaced by L

N is replaced by D

D is replaced by N

L is replaced by I

E is replaced by K

Hence, following the same pattern we the coding for EXOTIC as CITOXE.

**The correct answer is (4) CITOXE**

Q4

10.5 min

Solution

P is to be closed before 18 minutes, let it is closed after x minutes, and then Q worked for all 18 minutes. So,

(1/24)\*x + (1/32)\*18 = 1

Solve, x = 10.5

Q5

UAV

Solution

In this series, the third letter is repeated as the first letter of the next segment. The middle letter, A, remains static. The third letters are in alphabetical order, beginning with R.

Q6

44 seconds

Solution

Speed 1 = 72 kmph = 72\*5/18 mps = 20 mps.

Speed 2 = 54 kmph = 54\*5/18 mps = 15 mps.

Total Distance = Length 1 + Length 2 = 100+120 = 220 m.

Relative speed = Speed 1 - Speed 2 = 20 - 15 = 5 mps.

Time taken = Distance/ Speed = 220/5 = 44 s.

Q7

5 minutes

Solution

In 1 min, A can fill 1/25, B 1/15 and C 1/12 of the cistern

In 1 min together they can fill 1/25 + 1/15 + 1/12

= (12 + 20 + 25)/300

= 57/300 of the cistern

So, they take 300/57 = 5.26 ~ 5 min to fill the cistern together

Q8

220

Solution

Let number of original battalions = x. So, total number of army men = 1500x.

By the question, 1500x + 10000/2000 = x -50.

=> 1500x + 10000 = 2000x – 100000.

Solving, we get 500x = 110000

x = 110000/500

x = 220.

Q9

None of these

Solution

**R%LAKε** is 069721 which is not in any of the options.

Q10

B > F

Solution

From the given conditions, A > B > C > D = F ≥ G < H

1. G > C → C > D = F ≥ G, C > G → False.
2. B > F → B > C > D = F, B > F → True.
3. G > F → D = F ≥ G < H, F ≥ G → False
4. D < G → D = F ≥ G, D ≥ G → False.

So, B > F is the correct inequality.

Q11

26m, parallelogram

Solution

First Amit walks north east to B

He travels east next.

Then south west

At last west. This clearly indicates a parallelogram.

The distance travelled will be 5+8+5+8 = 26m

Q12

39

Solution

Deepesh is twelfth from the left end => 11 people are in the left of Deepesh

Rohit is nineteenth from the right end => 18 people are in the right of Rohit

---------11------- D----------- R -----------18 -------------

they interchange their positions, then Deepesh is 21st from the left end

Now Deepesh is 21st from left means Rohit's initial position is 21st from left

21st from left mean 20 are in left of Rohit's initial position

--------- 20 ------- R ----------- 18 -----------

20 people in the left of Rohit, 18 people in the right of Rohit, and Rohit himself

Hence total = 20 + 1 + 18 = 39

There are **39 in row**

Q13

﻿ A black and white logo

AI-generated content may be incorrect.

Solution

One line segment disappears from the figure in each step, one from the lower portion and one from the upper-portion alternately.

Q14

maternal grandmother

Solution

My father's wife's sister's daughter is my COUSIN.

My cousin's maternal grandmother is my maternal grandmother

Q15

Catherine is a liar and Alex is telling the truth.

Solution

Statements :

Catherine said, "Tom did it",

Tom said, "Alex did it"

Martha said, "I did not do it"

Alex said, "Tom is lying about me".

Only one of the statements is True :

Note that : Tom said, "Alex did it"  and Alex said, "Tom is lying about me".

These are contradicting statements and hence one of them is TRUE and another is FALSE

so we get one of the TRUE statement in these two

Hence Remaining two are FALSE

Catherine said, "Tom did it", - FALSE => Tom did not steal pen

Martha said, "I did not do it" - FALSE => Martha Stole a pen

As Martha Stole pen hence Tom said, "Alex did it" is FALSE

Hence Alex said, "Tom is lying about me". is TRUE

Final Conclusions :

Alex said, "Tom is lying about me". is TRUE

Martha Stole pen

Catherine , Martha , Tom are liars

Out of given options :

Catherine is a liar and Alex is telling the truth

Section 3 - TECHNICAL

Q1

SELECT DISTINCT course id

FROM SECTION

WHERE semester = ’Fall’ AND YEAR= 2009 AND

course id NOT IN (SELECT course id FROM SECTION WHERE semester = ’Spring’ AND YEAR= 2010);

Solution

No Solution

Q2

File server

Solution

No Solution

Q3

0 0 2 0 0

Solution

No Solution

Q4

Infinite Loop

Solution

No Solution

Q5

<header>

Solution

The <section> element represents a section of a document or application. Tags like <article>, <aside>, <nav>, <section> are the ones that create a nested, new outline inside the page.

Q6

Box 1, Box 3

Solution

Given Box 4 = EITHER C or F

Also, (1) means number in Box 1.

For C,

IS (3) > (1) ? NO --(1)

IS (2) > (1) ? YES --(2)

For F,

IS (3) > (1) ? YES --(3)

IS (2) > (1) ? YES --(4)

IS (3) > (2) ? YES --(5)

ANSWER

Number in BOX 1 cannot be largest(refer (1), (2), (3) and (4)),

And, Number in BOX 3 cannot be smallest(refer (1), (3) and (5)).

Q7

Compile Time Error

Solution

No Solution

Q8

False

Solution

even if Box 3 is updated instead of Box 2 in instruction C,

In instruction D, Number in Box 2 is compared with Box 7

and the value is anyway greater, so the result is YES there and thus exiting and finishing the loop.

Q9

git init <directory>

Solution

No Solution

Q10

Statement 2

Solution

No Solution

Q11

#include <stdio.h>

int main() {

int x, y;

scanf("%d%d", &x, &y);

int dx = x - 3;

int dy = y - 4;

int distSq = dx \* dx + dy \* dy;

int dist = 0;

while ((dist + 1) \* (dist + 1) <= distSq) {

dist++;

}

if ((dist + 1) \* (dist + 1) - distSq < distSq - dist \* dist) {

dist++;

}

printf("%d", dist);

return 0;

}

Q12

import java.util.Scanner;

class Pattern28Logic {

public void printPattern(int rows) {

int temp = 1;

if (rows % 2 == 0) {

System.out.println("Please Enter ODD number of rows only");

} else {

for (int i = 1; i <= rows / 2 + 1; i++) {

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

System.out.print(temp \* j + " ");

}

System.out.println();

temp++;

}

for (int i = 1; i <= rows / 2; i++) {

for (int j = 1; j <= rows / 2 + 1 - i; j++) {

System.out.print(temp \* j + " ");

}

System.out.println();

temp++;

}

}

}

}

class PatternMain {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int rows = scanner.nextInt();

Pattern28Logic pattern = new Pattern28Logic();

pattern.printPattern(rows);

}

}

OR

#include <stdio.h>

int main() {

int rows;

scanf("%d", &rows);

int temp = 1;

if (rows % 2 == 0)

printf("Please Enter ODD number of rows only\n");

else {

for (int i = 1; i <= rows / 2 + 1; i++) {

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

printf("%d ", temp \* j);

}

printf("\n");

temp++;

}

for (int i = 1; i <= rows / 2; i++) {

for (int j = 1; j <= rows / 2 + 1 - i; j++) {

printf("%d ", temp \* j);

}

printf("\n");

temp++;

}

}

return 0;

}

Top of Form

Bottom of Form

Top of Form

Bottom of Form