2026 Infosys Test - 4

Test Summary

* No. of Sections: 3
* No. of Questions: 42
* Total Duration: 90 min

Section 1 - VERBAL

Section Summary

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

Additional Instructions:

None

Q1.

In the following sentence, a part of the sentence or the whole sentence is underlined. Beneath each sentence, four different ways of phrasing the underlined part are indicated. Choose the best alternative among the four options.

On 12th April 1961, Yuri Gagarin became a first person to enter the space.

became first person to enter the space

became the first person to enter space

became a first person to enter space

became the first person to enter the space

Q2.

Select most suitable synonym

quotidian

humorous

repetitive

custom

exotic

Q3.

The sentence given below has three parts, indicated by (A), (B) and (C). Read the sentence to find out whether there is any error and mark the part containing the error as the answer. If the sentence has no error, indicate the part (D), which stands for ‘No error’. (Ignore the error of punctuation, if any)

(A)My brother always likes/ (B) to travel by the air / (C) since he is a very busy man. / (D) No error.

A

B

C

D

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.

In the question below is given a statement followed by several courses of actions. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to problem, policy, etc. on the basis of the information given in the statement.

**Statement :**

Use of computers is limited in India due to the lack of total awareness amongst people about its operations and applications.

**Course of Action :**

I.  The cost of computer is to be reduced.

II. A handbook detailing the information regarding the use and applications of computers should be provided to the buyer along with the computer free of cost.

III. The designing of computers should be in tune with the application areas of Indian context.

Only I and III follow

Only II and III follow

Only I and II follow

Only II follows

Q6.

The sentence given below has four parts, indicated by (A), (B), (C) and (D). Read the sentence to find out whether there is any error and mark the part containing the error as the answer. If the sentence has no error, indicate the part (E), which stands for ‘No error’. (Ignore the error of punctuation, if any)

The librarian (A)/ asked the students (B)/ to return back (C)/ their books. (D)

The librarian

Asked the students

To return back

Their books

No error

Q7.

The sentence given below has four parts, indicated by (A), (B), (C) and (D). Read the sentence to find out whether there is any error and mark the part containing the error as the answer. If the sentence has no error, indicate the part (E), which stands for ‘No error’. (Ignore the error of punctuation, if any)

(A)The agreement lapsed not /(B) because of higher valuation or something else /(C) but only because of delays /(D) on getting all necessary approvals. (E).

A

C

D

E

Q8.

Identify the one which is opposite in meaning (antonym) to the question word and mark.

crestfallen

abashed

cheerful

broken

treble

Q9.

Pick out the best alternative for the underlined part of the sentence.

Self-made millionaire Dennis Tito has made history when he became the first tourist to go into space.

when he becomes the first tourist

when he will become the first tourist

by having become the first tourist

by becoming the first tourist

Q10.

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

Q11.

**Out of the four alternatives choose the one which can be substituted for the given words / sentence.**

A mild or indirect expression substituted for an offensive or harsh one

Euphemism

Truism

Favouritism

Altruism

Q12.

Identify the best way of writing the sentence in the context of the correct usage of standard written English. While doing so, you have to ensure that the message being conveyed remains the same in all cases.

One New York publisher have estimated that 50,000 to 60,000 people in the United States wanted an anthology that includes the complete works of William Shakespeare.

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Q13.

**Reassert**

Disclose

Abdicate

Germane

Legitimate

Q14.

The question below consists of a question and two statements numbered A and B given below it. You have to decide whether the data provided in the statement(s) is/are sufficient to answer the question. Read both the statements and give an answer.

What was Mr. Swamy's combined income for the years 1965 – 1970? In 1965, he made Rs.10,000.

(A) His average yearly income for the years 1965 – 1970 was Rs. 12,000.

(B) In 1970, his income was Rs.20,000.

if statement (A) alone is sufficient to solve the question, but statement (B) alone is not.

if statement (B) alone is sufficient to solve the question, but statement (A) alone is not.

if neither statement (A) nor statement (B) is individually sufficient to solve the question, but a combination of both is sufficient to solve the question.

 if both the statements taken together are not sufficient and more information is required to solve the question.

Q15.

In the question given below is followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.

Statement :

Is paying ransom or agreeing to the conditions of kidnappers of political figures, a proper course of action?

Arguments :

I. Yes. The victims must be saved at all cost.

II. No. It encourages the kidnappers to continue their sinister activities.

if only argument I is strong

if only argument II is strong

if neither I nor II is strong

if both I and II are strong

Q16.

In each of the following sentences a part of the sentence or the whole sentence is underlined. Beneath each sentence, four different ways of phrasing the underlined part are indicated. Choose the best alternative from among the four.

Federal incentives now encourage investing capital in commercial office buildings despite vacancy rates in existing structures that are exceptionally high and no demand for new construction.

capital investment in commercial office buildings, even though vacancy rates in existing structures are exceptionally high and there is

capital to be invested in commercial office buildings even though there are exceptionally high vacancy rates high in existing structures with

investing capital in commercial office buildings even though the vacancy rates are exceptionally high in existing structures with

capital investment in commercial office buildings despite vacancy rates in existing structures that are exceptionally high, and although there is

Q17.

Choose the word that is FARTHEST in meaning from the given word.

RUBBLE

unbroken stone

impervious rock

impenetrable fortress

pertinent question

Q18.

**Arrange the sentences A, B, C, and D in a proper sequence to make a coherent paragraph.**

A. The establishment of the Third Reich influenced events in American history by starting a chain of events that culminated in war between Germany and the United States.

B. While speaking out against Hitler’s atrocities, the American people generally favored isolationist policies and neutrality.

C. The Neutrality Acts of 1935 and 1936 prohibited trade with belligerents or loans to them.

D. The complete destruction of democracy, the persecution of jews, the war on religion, the cruelty and barbarism of the allies, caused great indignation in this country and brought on fear of another World War.

ABCD

CBDA

CDBA

ADBC

Q19.

**In the following questions four words are given in bold. One of these words given in bold may be wrongly spelt or inappropriate in the context. Find out that word. If all the words are correct, choose ‘All correct’ as the answer.**

After being **abused** by her (A) husband for many years, Maggie was finally **strong** (B) enough to **absqutulate** from (C) her **bond** of marriage. (D)

A

B

C

D

All correct

Q20.

Replace the underlined part of the sentence with a grammatically correct option.

If the magazines will be published last week, why haven’t they been bought yet?

was published

were published

would have been published

are being published

Section 2 - Q&R

Section Summary

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

Additional Instructions:

None

Q1.

Sridevi sells an article at a profit of 50%. If she had bought it at 40% less and sold it for  Rs.21.50 less, She would have gained 60%. Find the cost price of the article.

40

48

52

56

Q2.

Which among the following answer options helps us to understand that not all numbers which have only two factors (including 1) are odd ?

1

2

3

4

Q3.

Number Puzzle: Find the missing number?

A grid of numbers and a question mark

AI-generated content may be incorrect.

20

10

12

8

Q4.

Hursh wanted to subtract 5 from a number. Unfortunately, he added 5 instead of subtracting. Find the percentage change in the result.

300%

66.66%

50 %

Cannot be determined

Q5.

A grid of numbers and a question mark

AI-generated content may be incorrect.

91

90

96

92

Q6.

The ratio of annual incomes of two companies X and Y is 5 : 8 respectively. If the income of company X had been Rs.25 lakhs more, then the ratio of their incomes would have been 5 : 4. What will be the income of Y?

80 lakhs

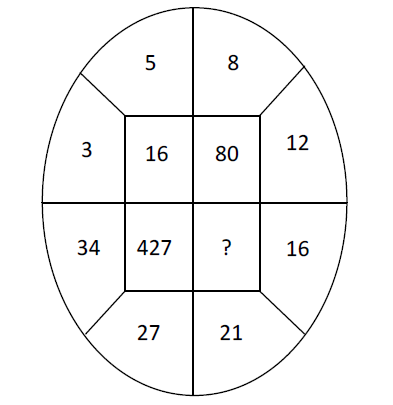
50 lakhs

40 lakhs

60 lakhs

Q7.

Solve the image



125

185

156

625

Q8.

If one-eighth of one-fifth of a number is 15, then three-tenth of that number is:

114

126

185

180

Q9.

Three numbers are in the ratio 3 : 4 : 5. The sum of the largest and the smallest equals the sum of the second and 52. The smallest number is

20

27

39

52

Q10.

The Shopkeeper increased the price of a product by 25% so that customer finds it difficult to purchase the required amount. But somehow the customer managed to purchase only 60% of the quantity. What is the net difference in the expenditure (in %)on that product?

12.5

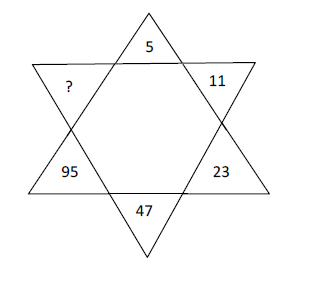
25.0

13.5

17.5

Q11.

Find the missing number:



189

191

3

255

Q12.

Greg buys cattle for 15Rs. In exactly one year he sells it for 20Rs. After one year again he buys the same cattle at 30Rs. and this time sells it for 40Rs. What is the overall profit percent for Greg in this transaction?

30.33%

33.33%

35.33%

40.33%

Q13.

**Statements:**

 B > M = I ≥ W < E ≤ J; E > S; T < M

**Conclusions:**

I. J > S

II. B ≥ W

Only I is true

Only II is true

Either I or II true

Neither I nor II is true

Both I and II are true

Q14.

Two Tesla cars Model S and Model X approach each other at 30 kmph and 45 kmph from 2 places 525 km apart. After how many hours they will meet?

5 hrs

5.25 hrs

5.45 hrs

7 hrs

Q15.

In the question below are given two or three statements followed by two conclusions numbered I and II. 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 :**J ≤ K = M, N ≥ P > K, Q > N = R

**Conclusions :**

I. R > J

II. Q ≥ M

if only conclusion I follows

 if only conclusion II follows

if either conclusion I or conclusion II follows

if neither conclusion I nor conclusion II follows

if both conclusions I and II follow

Section 3 - TECHNICAL

Section Summary

* No. of Questions: 7
* Duration: 50 min

Additional Instructions:

None

Q1.

What will be the output of the following pseudocode for a=1, b=6,c=4?

Note:- Continue: When a continue statement is encountered inside a loop, control jumps to the beginning of the loop for

skipping the execution of statements inside the body of the loop for the current iteration.

A screenshot of a math test

AI-generated content may be incorrect.

84

85

96

79

Q2.

What will be the output of the following pseudocode:

Note:- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

^ is the bitwise exclusive OR operator that compares each bits of its first operand to the corresponding bits of its second operand.

If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

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12

27

13

7

Q3.

What will be the output of the following pseudocode for a=1, b=5?

Note:- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

^ is the bitwise exclusive OR operator that compares each bits of its first operand to the corresponding bits of its second operand.

If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

A screenshot of a computer

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19

0

14

6

Q4.

What will be the output of the following pseudocode:

A screenshot of a math problem

AI-generated content may be incorrect.

Note:- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

16

22

12

13

Q5.

What will be the output of the following pseudocode:

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AI-generated content may be incorrect.

Note:- &: bitwise AND - The bitwise AND operator (&) compares each bit of the first operand to the corresponding bit of the second operand. If both bits are 1, the corresponding result bit is set to 1. Otherwise, the corresponding result bit is set to 0.

^ is the bitwise exclusive OR operator that compares each bits of its first operand to the corresponding bits of its second operand.

If one bit is 0 and the other bit is 1, the corresponding result bit is set to 1. Otherwise , the corresponding result bit is set to 0.

46

50

42

54

Q6.

**Given a list of numbers, create an algorithm that arranges them in order to form the largest possible integer.**

**NOTE:**

The digits cannot be split.

Example: 79 cannot be split as 9 first and 7 second

Input Format

N - the size of the array

'N' integer values

Output Format

Single integer

Sample Input

4

1 2 3 4

Sample Output

4321

Sample Input

4

10 7 76 415

Sample Output

77641510

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

Q7.

**Combinational Sum**

Given an array of integers A and a sum B, find all unique combinations in A where the sum is equal to B. Each number in A may be used only once in the combination.

**Note:**

  All numbers will be positive integers.

  Elements in a combination (a1, a2, … , ak) must be in non-descending order. (ie, a1 = a2 = … = ak).

  The combinations themselves must be sorted in ascending order.

  If there is no combination possible the print "Empty" (without quotes).

**Example,** Given A = 10,1,2,7,6,1,5 and B(sum) 8,

A solution set is:

[1, 1, 6]

[1, 2, 5]

[1, 7]

[2, 6]

Input Format

First is T , no of test cases. 1<=T<=500

Every test case has three lines.

First line is N, size of array. 1<=N<=12

Second line contains N space seperated integers(x). 1<=x<=9.

Third line is the sum B. 1<=B<=30.

Output Format

One line per test case, every subset enclosed in () and in every set intergers should be space seperated.(See example)

Sample Input

1

7

10 1 2 7 6 1 5

8

Sample Output

( 1 1 6 )( 1 2 5 )( 1 7 )( 2 6 )

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

Answer Key & Solution

Section 1 - VERBAL

Q1

became the first person to enter space

Solution

Correct answer - became the first person to enter space

Ordinal numbers such as first, second, third, etc. always take the definite article **the**.

Never, ever use the phrase "the space" when referring to outer space, unless you're using it to specify a particular region of outer space, like "the space between galaxies".

Q2

custom

Solution

The word quotidian means everyday or commonplace. Humorous refers to funny, repetitive refers to dull and exotic refers to unusual. So the best answer is custom which means routine or norm. Ans.(3)

Q3

B

Solution

Travelling by aeroplane is called as 'travelling by air,' so 'the' should not be there in B.

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

Only II and III follow

Solution

Problem statement : Limited use of computers due to lack of awareness

Course of action (I) does not follow since less use of computers in India is attributed to the unawareness of its operations and applications (and not to the cost of the computer).

Course of action (II) follows since such a handbook would educate the buyers about the vast areas of applications of the computer.

Course of action (III) follows since the application areas must be relevant and applicable in Indian context.

Q6

To return back

Solution

**Correct option- 3**

Here, the verb **return** means to give back something to someone. Thus, the use of verb **back** makes a grammatical error here. So, part C has the error.

Q7

D

Solution

(D) is missing the definite article before 'necessary approvals'. and 'on' is not the appropriate preposition.

Correct sentence - The agreement lapsed not because of higher valuation or something else but only because of delays in getting all the necessary approvals.

Q8

cheerful

Solution

'Crestfallen' means dejected. 'Abashed' is humiliated. 'Treble' means the pitch range of highest female voice. Hence, 'cheerful' is the right choice.

Q9

by having become the first tourist

Solution

The sentence is in present perfect tense thus the solution is by having become the first tourist.

Q10

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)

Q11

Euphemism

Solution

**Euphemism : a mild or indirect word or expression substituted for one considered to be too harsh or blunt when referring to something unpleasant or embarrassing.**

Truism : a statement that is obviously true and says nothing new or interesting.

Favoritism : the practice of giving unfair preferential treatment to one person or group at the expense of another.

Altruism : the belief in or practice of disinterested and selfless concern for the well-being of others.

Q12

One New York publisher has estimated that 50,000 to 60,000 people in the United States want an anthology that includes the complete works of William Shakespeare.

Solution

3 is the only choice that is grammatically correct. Choices 1 and 4 use the verbs incorrectly. Choice 2 uses a instead of an before anthology.

Q13

Disclose

Solution

Explanation:

Reassert means to say again that something is definitely true

Disclose - make (secret or new information) known

Abdicate - (of a monarch) renounce one's throne.

Germane - relevant to a subject under consideration.

Legitimate - conforming to the law or to rules

Q14

if statement (A) alone is sufficient to solve the question, but statement (B) alone is not.

Solution

Statement (A) alone is sufficient. The average is the combined income for 1965 - 1970 divided by 6 (the number of years). Therefore, the combined income is 6 times the average yearly income.

Statement (B) alone is not sufficient since there is no information about his income for the years 1966-1969.

Q15

if both I and II are strong

Solution

Clearly, both the arguments in for and against are strong and enough. The conditions have to be agreed to, in order to save the life of the victims, though actually they ought not to be agreed to, as they encourage the sinister activities of the kidnappers.Hence both are strong.

Q16

capital investment in commercial office buildings, even though vacancy rates in existing structures are exceptionally high and there is

Solution

Ans. (1). Proper terminology use is capital investment and has been used only in options (1) and (4). Hence options (2) and (3) get rejected outright. Despite vacancy rates…. exceptionally high as in option (4) implies that the structures are exceptionally high whereas the original statement implied the rates as being high. Hence option (4) is also rejected and only option (1) is the correct option.

Q17

unbroken stone

Solution

The word means waste or rough fragments of stone and brick. Antonym: unbroken stone.

Q18

ADBC

Solution

Sentence A is the starting sentence where the author focuses on the start of hostility between Germany and the USA. Sentence D continues the tone by stating the consequences. BC are mandatory pair if we look at the word "Neutrality". ADBC is the correct sequence.

Q19

C

Solution

The error lies in part C of the sentence as the word '**absquatulate**' has been spelt incorrectly. It means '**to depart hurriedly**.'

Q20

were published

Solution

We are talking about an action which happened last week and are comparing it to future by saying will be published, it would be correct to have both the subordinate conditional clause also in past tense. The right answer is "were published"

Section 2 - Q&R

Q1

40

Solution

Let cost price of the article (C.P) =100

profit%=50%

selling price = 100 + 50% of 100 = 150

New cost price ( C.P) =60

profit % =60%

new selling price =(160× 60)/100=96 rs

Difference between new selling price

=150-96=54

when difference is 54 then cost price (cp) = 100

when difference is 21.50 then

cp = 100×21.50 / 54=40

Q2

2

Solution

The only even numbers in the list are 2 and 4, but 4 is not a prime. So 2 can be used to illustrate the statement that all primes are not odd.

Q3

10

Solution

Answer: 10

Explanation:

In the first row, 6x(3/2) = 9; 6x(5/2) = 15.

In the second row, 8x(3/2) = 12; 8x(5/2) = 20.

In the third row, missing number = 4x(5/2) = 10.

Q4

Cannot be determined

Solution

Hursh wants to do =N -5

But he does =N + 5

difference =N + 5 –N +5 =10

10/(N -5) × 100 =answer can not be determined with out the value of ‘N’

Q5

92

Solution

In the first column, (10x6)-2 = 58.

In the second column,(11x7)-3 = 74

So, missing number = (12x8)-4 = 92.

Q6

40 lakhs

Solution

X : Y = 5 : 8

Let X's income be 5x and B's income be 8x.

(5x+25)/8x = 5/4

5(x+5)/4\*2x=5/4

(x+5)/2x=1

x + 5 = 2x = 5

Y's Income = 8x = 8×5 = 40

Q7

185

Solution

Clearly, ( 52-32 )= 16, ( 122-82 )= 80, ( 342-272 )= 427,So missing number is: ( 212-162 )= 185.

Q8

180

Solution

Let the number be x.

Then, 1/8 of 1/5 of x = 15

x = 15 x 8 x 5 = 600

So, required number = 3/10 x 600 = 180

Q9

39

Solution

Let the numbers be 3x, 4x and 5x.

3x + 5x = 4x + 52

 => x = 13.

∴ Smallest number = 39.

Q10

25.0

Solution

Let initially the quantity and rate be 100 each.

Quantity\*rate = Expenditure

100\*100 = 10000

Now, the Increase in price is 25% and the new quantity is 60% of the original.

Quantity\*rate = Expenditure

60\*125 = 7500

Decreased expenditure,

= 10000 - 7500 = 2500

% decrease,

= (2500\*100)/10000

=25%.

Q11

191

Solution

We have: 5x2+1=11, 11x2+1=23, 23x2+1=47, 47x2+1=95. So, missing number = 95x2+1=191.

Q12

33.33%

Solution

Total C.P. = 45

Total S.P. = 60

Profit% = (15/45) \*100 = 33.33%

Q13

Only I is true

Solution

No Solution

Q14

7 hrs

Solution

Relative time = 525/(30+45) = 7 hr

Q15

if only conclusion I follows

Solution

Based on the data, we get

Q>R=N ≥ P > M = K ≥ J

Hence, from this we can say that

if only conclusion 1 follows

Section 3 - TECHNICAL

Q1

84

Solution

Inside for loop:

when c=4, a value updated to 12

when c=5, a value updated to 34

when c=6, a value updated to 78

Finally, 78+6 => 84

Q2

12

Solution

Initially a=2,b=4,c=10,

b=(7^12)&2 => 2

b=9&2 => 0

If block condition gets failed so 2+0+10 => 12

Q3

6

Solution

funn(1,5) => 1+funn(4,1)

funn(4,1)=> 1+fun(0,4)

fun(0,4)=> 0+4 => 4

funn(4,1)=> 1+4=>5

funn(1,5) => 1+5 => 6

Q4

13

Solution

If block condition gets failed so 1+8+4=> 13

Q5

42

Solution

Initially a=2,b=4,c=6.

b=(6^4)&4 =>0

b=(0+1)+6 =>7

b=(6+11)+7 =>24

c=(8+11)&2=>2

c=(2^12)+2 =>16

Therefore 2+24+16=>42

Q6

Solution

import java.util.\*;

class Main {

static String printLargest(ArrayList<String> arr){

Collections.sort(arr, new Comparator<String>(){

@Override

public int compare(String X, String Y) {

String XY=X + Y;

String YX=Y + X;

return XY.compareTo(YX) > 0 ? -1:1;

}

});

Iterator it = arr.iterator();

String res="";

while(it.hasNext())

res+=it.next();

return res;

}

public static void main (String[] args) {

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

ArrayList<String> arr=new ArrayList<>();

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

arr.add(sc.nextInt()+"");

}

String res=printLargest(arr);

System.out.println(res);

}

}

import java.util.\*;

class Main{

static int max=0;

public static void main(String[] args) {

Scanner s=new Scanner(System.in);

int n=s.nextInt();

int a[]=new int[n];

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

a[i]=s.nextInt();

permute(a);

System.out.println(max);

}

public static void permute(int[] arr){

permuteHelper(arr, 0);

}

private static void permuteHelper(int[] arr, int index){

if(index >= arr.length - 1){

String temp="";

for(int i = 0; i < arr.length - 1; i++){

temp+=arr[i];

}

if(arr.length > 0)

temp+=arr[arr.length - 1];

max=(max<Integer.parseInt(temp))?Integer.parseInt(temp):max;

return;

}

for(int i = index; i < arr.length; i++){

int t = arr[index];

arr[index] = arr[i];

arr[i] = t;

permuteHelper(arr, index+1);

//Swap the elements back

t = arr[index];

arr[index] = arr[i];

arr[i] = t;

}

}

}

from itertools import permutations

n=int(input())

# initializing list

test\_list=input().split()

# printing original list

#print ("The original list is : " + str(test\_list))

# using itertools.permutation() + join() + max()

# largest possible number in list

res = int(max((''.join(i) for i in permutations(str(i)

for i in test\_list)), key = int))

# printing result

print (str(res))

Q7

Solution

import java.util.\*;

class Main {

public static List<List<Integer>> combinationSum2(int[] candidates, int target) {

List<List<Integer>> result = new ArrayList<List<Integer>>();

List<Integer> list = new ArrayList<Integer>();

Arrays.sort(candidates);

backTrack(result, list, candidates, target, 0);

return result;

}

static void backTrack(List<List<Integer>> result,

List<Integer> list, int[] candidates, int target,

int position) {

int sum = 0;

for (int x: list) {

sum += x;

}

if (sum == target) {

result.add(new ArrayList<Integer>(list));

return;

}

if (sum < target)

{

for (int i = position; i < candidates.length; i++)

{

if(position != i

&& candidates[i] == candidates[i-1])

{

continue;

}

list.add(candidates[i]);

backTrack(result, list, candidates, target, i+1);

list.remove(list.size() - 1);

}

}

}

public static void main(String args[]){

Scanner sc=new Scanner(System.in);

int T=sc.nextInt();

for(int I=0;I<T;I++){

int n=sc.nextInt();

int a[]=new int[n];

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

a[i]=sc.nextInt();

int sum=sc.nextInt();

List<List<Integer>> result=combinationSum2(a,sum);

if(result.size()==0){

System.out.print("Empty");

} else {

for(int i=0;i<result.size();i++){

List<Integer> temp=result.get(i);

System.out.print("( ");

for(int j=0;j<temp.size();j++){

System.out.print(temp.get(j)+" ");

}

System.out.print(")");

}

}

System.out.println();

}

}

}

t=int(input("Enter test cases"))

for i in range(0,t):

l=[]

l1=[]

b=int(input("Enter value of b"))

n=int(input("enter size of list"))

for i in range(0,n):

a=input()

l.append(int(a))

l.sort()

#print(l)

import itertools

for i in range(0, len(l)+1):

for j in itertools.combinations(l,i):

if sum(j)==b:

if j not in l1:

l1.append(j)

for i in l1:

print(i)

Top of Form

Bottom of Form

Top of Form

Bottom of Form