2026 Infosys Test-3

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.

**Directions:** Fill in the blank with the correct option that fits in grammatically and logically.

Information obtains from the internet \_\_\_\_\_\_\_\_\_\_\_\_\_ to make sure of its authenticity.

are worth being checked

were to be checked

should be checked

have been undergoing checks

Q2.

**Directions:** Fill in the blank with the correct option that fits in grammatically and logically.

The meaning of the word mysticism is \_\_\_\_\_\_\_\_

mysterious relations with god

a belief that knowledge of God can be gained by contemplation

the method of dealing in black magic and necromancy

secret communication with the spirits of the dead

Q3.

**Directions:** In each of the following sentences, some part of the sentence or the entire sentence is underlined. Beneath each sentence, you will find four ways of phrasing the underlined part is a test of correctness and effectiveness of expression. In choosing answers, follow the requirements of standard written English, that is, pay attention to grammar, choice of words, and sentence construction. Choose the answer that expresses most effectively what is presented in the original sentence, this answer should be clear and exact, without awkwardness, ambiguity or redundancy.

The Government should spend money on things that are in bad shape rather than supporting well-to-do businesses.

rather than the support of well-to do

rather than support well-to-do

rather to support well-to-do

better than supporting well-to-do

Q4.

**Identify the correct sentence.**

1. A boastful showoff is full of sound and fury and usually has nothing interesting to talk about.

2. A boastful showoff is full of sound and fury and usually has anything interesting to talk about.

3. A boastful showoff is full of sound and fury and usually had something interesting to talk about.

4. A boastful showoff is full of sound and fury and usually had a few things interesting to talk about.

1

2

3

4

Q5.

**Directions: Choose the correct answer for the question given below.**

Copywriting isn't easy. There are certain rules to follow, words to use and it's a talent you have to develop over time. There are books that will help you hone your copywriting skills and move toward a successful copywriting career.

As understood from the above,

To have a successful copywriting career, one must have good reading habits.

Copywriting demands certain exclusive talents not required in other professions.

Following rules of the profession is crucial in the copywriting career.

Copywriting skill is acquired by perusing certain types of reading.

Q6.

In 1830, the American inventor Charles Goodyear is experimenting with the sulfur treatment of natural rubber when, according to legend, he dropped a piece of sulfur-treated rubber on a stove.﻿

was experimenting with the sulfur treatment of

was experimenting with the sulfur treatment in

had experimenting with a sulfur treatment of

was experimenting in the sulfur treatment of

Q7.

**Directions:** Fill in the blank with the correct option that fits in grammatically and logically.

The doctors decided to get on with the clinical trial \_\_\_\_\_\_\_\_ of its imperfections.

in addition to knowing

regardless

Despite

Being ignorant

Q8.

**Questions:** Identify the correct sentence.

1. As he was once an avid soccer fan, he is now increasingly becoming interested in cricket.

2. Once an avid soccer fan, he is now becoming more interested in cricket.

3. Being once an avid soccer fan, he is now increasingly becoming a cricket fan.

4. Now he is becoming interested in cricket but was an avid soccer fan once before.

1

2

3

4

Q9.

**Directions:** Fill in the blank with the correct option that fits in grammatically and logically.

When the minister was interviewed after his election debacle, he \_\_\_\_\_\_\_\_\_

refrained from the blame game and displayed grace.

was restrained from the blame game and displayed grace.

had been refraining from the blame game and showed grace.

was controlled from the blame game and displayed graciousness.

Q10.

**Directions: Fill in the blank with the correct option that fits in grammatically and logically.**

The researchers claim that far from being sites of chemical and biological activity, the interiors of waste landfills are rather inactive, with the possible exception of those established in swamps. Newspapers buried 20 or more years previously usually remained perfectly legible, and a remarkable amount of food wastes of similar age also remained intact.

Which of the following would probably weaken the claims of the researchers?

For purposes of biodegradation, rubbish must be dumped in swamps.

Food wastes make the landfills rather inactive.

In a recent excavation study conducted in a landfill in Tamil Nadu, there was evidence of decomposition of scrap papers dumped there.

The chemical reaction in a landfill becomes tight when it comes to newspapers and food items.

Q11.

**Directions:** Fill in the blank with the correct option that fits in grammatically and logically.

Geothermal power can provide a stable supply of electricity unlike other natural energy sources such as solar power and wind power, which both rely on weather conditions. Accordingly, the generation of electricity through geothermal power is four to five times more efficient than through solar power. However, the development in geothermal power generation has been slow.

It can be inferred from the paragraph that

The slow pace in the development of geothermal energy is due to bad weather conditions.

As an alternative to fossil fuel, geothermal energy is the best available resource for generating power.

Geothermal power can be produced with the help of solar energy.

Solar and wind powers are unreliable sources of energy.

Q12.

**Questions: Identify the correct sentence.**

1. One of the hallmarks of a miser is sponging on other peoples' money.

2. A hallmark of the miser is sponging into other people's money.

3. One of the hallmarks of a miser is sponging on other people's money.

4. One of the hallmark of a miser is sponging on other people's money.

1

2

3

4

Q13.

**Directions:** Fill in the blank with the correct option that fits in grammatically and logically.

The presence of strong feelings, the cause of which is not fully understood, always has the \_\_\_\_\_\_\_\_\_\_\_\_\_ human beings uneasy.

effect of making our

effect of making us

effect for making we

affection of making us

Q14.

Hamsters are mammals which belongs to the rodent family having large incisor teeth that are continually growing, necessitating gnawing to prevent the teeth from overgrowing.

which belong to the rodent family, having large

which belongs to the rodent family with large

that is belonging to the rodent family having large

which belong to the rodent family and have large

Q15.

**Fill in the blank with the appropriate word.**

\_\_\_\_\_\_\_\_\_\_\_ the path that the father had shown him was the only way he could have come out of his problems.

Following

Making

Going

Flowing

Q16.

**The sentence has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option “No Error”.**

He could not plead not guilty

after the overwhelming evidence for his

No error

conviction was presenting to the jury

Q17.

**The sentence has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option “No Error”.**

The period of American colonization of Philippines lasted 48 years

from cession of the Philippines to the U.S by Spain in 1898

to U.S recognition of Philippine independence in 1946

No error

Q18.

Which of these sentences does not appropriately use the future perfect tense?

I would have joined the seminar before time

Nina would have gone to the coffee shop before Diana arrives

It has been raining continuously since yesterday

I will have arranged all plans before his birthday

Q19.

**Fill in the blank with the most appropriate idiom or phrase.**

She still seems \_\_\_\_\_\_\_\_\_ about the argument she had with her friend last week.

to have a chip on her shoulder

unable to cut the mustard

to be at daggers drawn

to be a chip off the old block

Q20.

**The sentence has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option “No Error”.**

She never saw a Polar bear

In her life before she

Moved to Alaska

No error

Section 2 - Q&R

Section Summary

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

Additional Instructions:

None

Q1.

**Direction:** Consider the below question followed by two statements.

The circumference of circle Y is twice the circumference of circle X. What is the area of circle X?

I. The area of circle Y is 100 π r2

II. The circumference of circle Y is 20 π r

The question cannot be answered with the help of information provided

The question can be answered with the help of either of the statements

The question can be answered with the help of both the statements together

The question can be answered with the help of any one statement but not both

Q2.

Find the ratio of milk to water in a mixture that give 15 percent profit when sold at the cost price of pure milk?

3:2

20:3

23:20

20:23

Q3.

How many 1-inch square tiles would it take to cover the floor of a closet that has dimensions of 5 Feet by 4 Feet?

**(1 foot = 12inches)**

20

240

2168

2160

2880

Q4.

**Direction:** In each of the following questions two/three statements are given and these statements are followed by two conclusions numbered (I)  and  (II) be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements.

**Statements:**

Some planes are bus.

Only a few buses are car.

All trains are cars.

**Conclusions:**

I. All buses are train is a possibility.

II. All cars are plane is a possibility.

Both the conclusions follow

Neither conclusion I nor II follows

If conclusion II follows

Either conclusion I or conclusion II follows

If conclusion I follows

Q5.

One litre of water is evaporated from 6 liters of a solution containing 5 percent salt. Find the percentage of salt in the remaining solution.

4 percent

6 percent

10 percent

8 percent

Q6.

Find the missing number in the third figure. Assume that the third figure works in the same way as the other two.

145

217

277

115

Q7.

If in a code **ALTERED is written as ZOGVIVW, then in the same code, SIMULTANEOUS** would be written as

MRNFOGXLVHFM

HRNFOGZMVLFH

MFHVLXGOFNRM

HRNFIGZEVMFH

Q8.

An item is sold at a certain price. The sell price (S.P) printed on this item is 40% more than its cost price (C>P). Since the customer who purchased the product was a premium category customer, he got 10% discount on the S.P. If the shopkeeper gained a profit of ₹65 after the sale of this item, what is the S.P printed on the item?

₹300/-

₹315/-

₹350/-

₹250/-

Q9.

Joe's car can travel 36 miles per gallon of fuel. Approximately how many kilometers can a car travel on 10lts of fuel?

**(1 gallon = approximately 4 liters)**

135 km

140 km

144 km

150 km

Q10.

Nirmala was in a fair with her friend. Pointing towards a clown, she said, “He is father of my mother-in-law’s only daughter’s son”. How is clown related to Nirmala’s mother-in-law?

Mother

Son-in-Law

Father

Son

Q11.

A cistern has two taps (which fill it in 12 min and 15 min respectively) and an exhaust tap. When all three taps are opened together, it takes 20 min to fill the empty cistern. How long will the exhaust tap take to empty it?

12 min

20 min

10 min

16 min

Q12.

**Directions:** For each question in this section, select the best of the answer choices given.

The Mughal Aurangzeb observed certain rules in his daily prayers. He had to face Mecca as all Muslims do. During his morning prayer he was particular that the sun should not be in front of him.

The sun should not be to the northeast, east or west of him.

Which side will Aurangazeb face when doing his morning prayer?

Aurangazeb will face the North West.

Aurangazeb will face the south.

Aurangazeb does not pray at all.

Aurangazeb will face the north.

Q13.

In the following question, select the odd letter group from the given alternatives. (Choose one solution)

HM

UZ

AF

TO

Q14.

Select the pair that is related on the same basis to the pair given in the question.

Watch : Battery ::

Train : Bus

Table : Chair

Engine : Oil

Sugar : Sugarcane

Q15.

Which of the following among the options does not follow the pattern : Z13, V11, P8, X12.

K6

F3

H4

J5

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:

A screenshot of a math test

AI-generated content may be incorrect.

Note:- MOD finds the remainder after the division of one number by another. For example,

the expression "5 MOD 2" would evaluate to 1 because 5 divided by 2 leaves a quotient of 2 and remainder of 1.

&& : Logical AND - The logical AND (&&) operator returns the Boolean value true (or 1) if both operands are true and return false (or 0) otherwise.

If(x) gets executed if value inside if(), i.e., x is not zero.

5

32

None of the mentioned options

2

Q2.

What will be the output of the following pseudocode for a=0,b=7,c=9?

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.

A screenshot of a math test

AI-generated content may be incorrect.

41

44

47

38

Q3.

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.
* ^ 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.

32

38

33

29

Q4.

What will be the output of the following pseudocode:

A screenshot of a computer

AI-generated content may be incorrect.

[Note:- MOD finds the remainder after the division of one number by another. For example, the expression "5 MOD 2" would evaluate to 1 because 5 divided by 2 leaves a quotient of 2 and remainder of 1.]

0

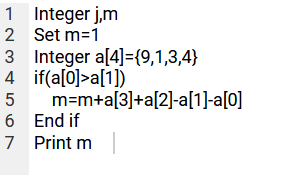
0 1

None of the mentioned options

True 0

Q5.

What will be the output of the following pseudocode:



5

9

-3

-2

Q6.

Rajiv and Nitish had a fight because Rajiv was annoying Nitish with his question. Rajiv being a genius in arrays gave Nitish an array of natural numbers *A* of length *N* with elements *A1, A2, . . ., AN*. Nitish has to find the total amount of perfect pairs in the array.

A perfect pair *(Ai, Aj)* is a pair where *(Ai + Aj)* is a perfect square or a perfect cube and i ≠ j.

Since Rajiv and Nitish are not talking with each other after the fight you have been given the question to solve and inturn make both of them a perfect pair again.

*NOTE:-* A pair *(Ai, Aj)* and *(Aj, Ai)* are the same and not to be counted twice.

Input

The first line on the input contains a single integer *T*denoting the number of test cases. The first line of each test case contains a single integer *N*. The second line contains *N* space-separated integers *A1, A2, . . ., AN*.

Output

For each test case, print a single line containing a single integer denoting the total number of perfect pairs.

Constraints

1 ≤  *T* ≤ 10

1 ≤  *N* ≤ 105

1 ≤  *A*i ≤ 103

Sample Input Sample Output

2

5

1 2 3 4 5

4

1 4 5 8

Sample Output

3

2

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

Q7.

You’re given a string as an input. You have to reverse the string by keeping the punctuation and spaces. You have to modify the source string itself by creating another string.

Sample Input

:A man, in the boat says : I see 1-2-3 in the sky

Sample Output

:y kse,htn i32 1ees Isya s t aob e-h-t ni nam A

Answer Key & Solution

Section 1 - VERBAL

Q1

should be checked

Solution

No Solution

Q2

a belief that knowledge of God can be gained by contemplation

Solution

Answer - a belief that knowledge of God can be gained by contemplation

Q3

rather than support well-to-do

Solution

No Solution

Q4

1

Solution

Answer - A boastful showoff is full of sound and fury and usually has nothing interesting to talk about.

Q5

To have a successful copywriting career, one must have good reading habits.

Solution

No Solution

Q6

was experimenting with the sulfur treatment of

Solution

Tense used in the sentence - Past

sulfur treatment of natural rubber is the correct usage.

Answer - was experimenting with the sulfur treatment of

Q7

regardless

Solution

No Solution

Q8

2

Solution

Answer - Once an avid soccer fan, he is now becoming more interested in cricket.

Q9

refrained from the blame game and displayed grace.

Solution

Answer - refrained from the blame game and displayed grace.

Q10

In a recent excavation study conducted in a landfill in Tamil Nadu, there was evidence of decomposition of scrap papers dumped there.

Solution

According to the passage, the scrap papers remain intact even after 20 years or more. The option "In a recent excavation study conducted in a landfill in Tamil Nadu, there was evidence of decomposition of scrap papers dumped there" would weaken that point evidently.

Q11

As an alternative to fossil fuel, geothermal energy is the best available resource for generating power.

Solution

No Solution

Q12

3

Solution

Answer - One of the hallmarks of a miser is sponging on other people's money.

Q13

effect of making us

Solution

Answer - effect of making us

Q14

which belong to the rodent family, having large

Solution

Subject - mammals(plural)

Verb should also be plural. Hence, belong should be used.

Answer - which belong to the rodent family, having large

Q15

Following

Solution

Following the path is the appropriate usage rather than other options.

Answer - following

Q16

conviction was presenting to the jury

Solution

Instead of presenting it should be presented.

Answer - conviction was presenting to the jury

Q17

The period of American colonization of Philippines lasted 48 years

Solution

The country name Philippines should be preceded by 'the'.

Answer - The period of American colonization of Philippines lasted 48 years

Q18

It has been raining continuously since yesterday

Solution

Keyword - has been raining

Tense used - present perfect continuous

Q19

to have a chip on her shoulder

Solution

"to have a chip on her shoulder" means to have an angry or unpleasant attitude or way of behaving caused by a belief that one has been treated unfairly in the past.

Q20

She never saw a Polar bear

Solution

If the Past Perfect is not referring to an action at a specific time, Past Perfect is not optional. Here Past Perfect is referring to a lack of experience rather than an action at a specific time. For this reason, Simple Past cannot be used.

hence, the correct sentence would be She had never seen a polar bear in her life before she moved to Alaska.

Answer - She never saw a Polar bear

Section 2 - Q&R

Q1

The question cannot be answered with the help of information provided

Solution

WKT, Perimeter of Circle X = 2 (Perimeter of Circle Y)

Using statement I alone: We can find the value of the radius of x in terms of r. i.e., rx = 200r2

Using statement II alone : Similar to Ist statement, here, the radius of x in terms of r can be found. i.e., rx = 20r

Hence, combining both, we can find the value of r

Q2

20:23

Solution

Let say milk = M Ltr

& water = W Ltr

Mixture = M + W ltr

Assuming cost of Water = 0 Rs.

Cost per Liter of Milk = C Rs

Selling Price of Mixture per litre = C Rs

Cost Price = MC + W\*0 = MC Rs

Selling Price = (M + W) C = MC + WC Rs

Profit = MC + WC - MC = WC Rs

15% profit = (15/100)MC

=> (15/100)MC = WC

=> (3/20)M = W

=> M/W = 20/3

**ratio of milk to water in a mixture = 20 : 3**

Q3

2880

Solution

WKT, area of the floor = area of square

Also, 1 ft = 12 inches, hence by converting ft to inches we have,

Area of square tile = 5ft \* 4 ft = 60 inch \* 48 inch = 2880 sq inch

2880 sq inch/1 sq inch = 2880 tiles

Q4

Both the conclusions follow

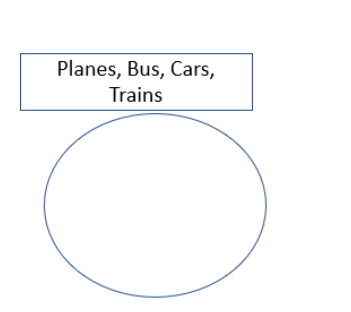
Solution

Min possibility :

A diagram of a bus and trains

AI-generated content may be incorrect.

Maximum Possibility :



Here, both the conclusion is a possibility in the maximum diagram.

Hence, both the conclusion follows

Q5

6 percent

Solution

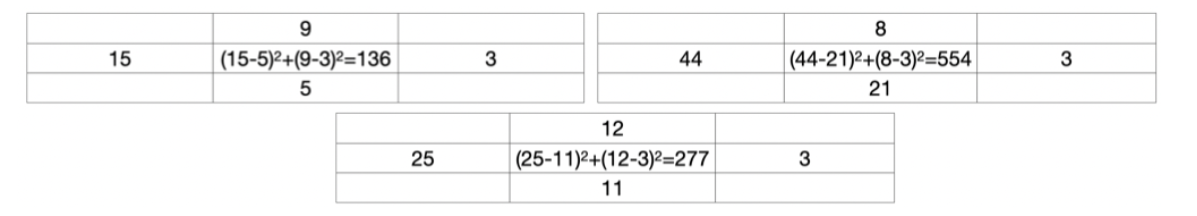
Salt in 6 litres = 5% of 6 litre = (5/100) \* 6 = 0.3 litres.

Salt in new solution = (0.3 / 5) \* 100 = 6%

Q6

277

Solution



Q7

MRNFOGXLVHFM

Solution

The pattern for the given code is :

Each of the letters of the word ALTERED is replaced by the letter which occupies the same position in the reverse alphabetical order to obtain the code ZOGVIVW.

Hence, SIMULTANEOUS is coded as :

S ---> H (19th letter from reverse order)

I ---> R (9th letter from reverse order)

M ---> N (13th letter from reverse order)

U ---> F (21st letter from reverse order)

L ---> O (12th letter from reverse order)

.

.

.

S ---> H (19th letter from reverse order)

Hence, HRNFOGZMVLFH is the answer.

Q8

₹250/-

Solution

The shopkeeper has increased 40% from the original cost price and then gave a discount of 10% from the marked price.

Here, successive percentage change has happened.

So, net % change = [(+40) + (-10)] + (40 \* (-10) / 100) = 26%

The profit gained in terms of % is 26 and in terms of rupees is 65

---> 26% of C.P = Rs. 65

---> 100% of C.P = Rs. 250

Q9

144 km

Solution

Converting the mileage from mpg to km/L, we have:

36 mi/gal x (8 km / 5 mi) x (1 gal / 4 L) = (36 x 2) km / 5 L = 72 km / 5 L = 14.4 km/L

Therefore, the number of kilometers the car can travel on 10 liters of fuel is 14.4 km/L x 10 L = 144 km.

Q10

Son-in-Law

Solution

The clown is son-in-law of Nirmala’s mother-in-law

Q11

10 min

Solution

1/12 + 1/15 - 1/x = 1/20 … (negative symbol is given since it is emptying the cistern)

3/20 - 1/x = 1/20

So, x =10 min

Q12

Aurangazeb will face the North West.

Solution

Only when Aurangazeb faces North west, he can satisfy all the conditions as given in the question statement.

Q13

TO

Solution



Q14

Engine : Oil

Solution

Watch runs on oil is the pattern for the analogy.

Hence, Engine runs on oil will be the suitable one.

Q15

K6

Solution

The pattern for the given series is :

Z ---> 26 ; 26 / 2 = 13

V ----> 22; 22/2 = 11

Hence, K ----> 11 ; 11/2 = 5.5

Section 3 - TECHNICAL

Q1

32

Solution

Value a gets updated to 30. Therefore 30+1+3=32.

Q2

41

Solution

Inside function 'a' value updated as 25.If block will not execute so no changes in value. Therefore 25+7+9= 41.

Q3

32

Solution

First if block gets executed and update b,c to 16. So 0+16+16 = 32.

Q4

True 0

Solution

No Solution

Q5

-2

Solution

Here, If block gets executed and update m= 1+4+3-9-1 => -2

Q6 // Write your code here

#include<stdio.h>

int arr[2000];

int st[100002],used[1002];

int num[1001];

int all[56];

int main()

{

int i,t,T,n,k=0;

for(i=0;i<2000;i++)

arr[i]=-1;

for(i=0;i<56;i++)

all[i]=-1;

for(i=1;i<=44;i++)

{

if(i<=12)

{

arr[i\*i\*i]=1;

}

arr[i\*i]=1;

}

for(i=0;i<2000;i++)

{

if(arr[i]==1)

all[k++]=i;

}

scanf("%d",&T);

for(t=1;t<=T;t++)

{

scanf("%d",&n);

for(i=0;i<1002;i++)

{num[i]=0;used[i]=0;}

int count=0;

int flag=0;

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

{

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

//printf("%d ",st[i]);

num[st[i]]+=1;

}

//printf("\n");

/\* for(i=0;i<1002;i++)

{

if(num[i]>0)

{

printf("no ");

}

}\*/

for(i=1;i<=1000;i++)

{

if(num[i]>=1)

{

for(int j=0;j<k;j++)

{

int c=all[j]-i;;

if(c>0&&c<=1000)

{

if(num[c]>=1&&c!=i)

{count+=num[c]\*num[i];

//num[c]=0;

//num[st[i]]=0;

// printf("%d %d\n",st[i],c);

}

else if(c==i&&num[c]>1&&used[c]!=1)

{

//count+=(num[c]\*num[c]-1)/2;

flag+=(num[c]\*(num[c]-1))/2;

//num[c]=0;

used[c]=1;

// printf("%d %d %d %d\n",st[i],c,num[c],(num[c]\*num[c]);

}

}

}

}

}

printf("%d\n",(count)/2+flag);

}

return 0;

}

Q7.

str1=list(input())

str2=[]

for i in str1:

if i.isalnum():

str2.append(i)

str2=list(str2[::-1])

for i in range(len(str1)):

if str1[i].isalnum()==False:

str2.insert(i,str1[i])

for i in str2:

print(i,end="")

print()

or

import java.util.\*;

import java.lang.\*;

class Main{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

String str=s.nextLine();

char[] input = str.toCharArray();

char[] result=new char[input.length];

for(int i=0;i<input.length;i++){

if(input[i]==' '||input[i]== ','|| input[i] == '.'||input[i] == '!'||input[i] == '?'||input[i]== ':' ||input[i] == ';'||input[i]=='-')

result[i]=input[i];

}

int k=0;

for(int i=input.length-1;i>=0;i--){

if(input[i]!=' '&&input[i]!= ','&& input[i] != '.'&&input[i] != '!'&&input[i] != '?'&&input[i]!= ':' &&input[i] != ';'&&input[i]!='-')

{

if(result[k]=='\0'){

result[k]=input[i];

k++;

}

else {

result[++k]=input[i];

k++;

}

}

}

for(int i=0;i<input.length;i++){

System.out.print(result[i]);

}

}

}