

# Wipro Question

<https://youtube.com/playlist?list=PL7MfFTNeZKus1imuScuU44nDe5sSiFAB8&si=8bmaeQmfrpRhUjhQ>

## ADVERTISEMENT

The media company "GlobalAd" has received a batch of advertisements from different product brand . The batch of advertisement is a numeric value where each digit represents the number of advertisements the media company has received from different product brands.

Since the company banners permit only even number of advertisement to be displayed, the media company needs to know the total number of advertisement it will be able to display from the given batch.

Write an algorithm to calculate the total number of advertisement that will be displayed from the given batch.

INPUT:

Input consists of an integer - batch, representing the batch of advertisement

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C:\Users\LENOVO\Desktop>javac a1.java
```

```
C:\Users\LENOVO\Desktop>
```

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Write an algorithm to calculate the total number of advertisement that will be displayed from the given batch.

INPUT:

Input consists of an integer - batch, representing the batch of advertisement .

OUTPUT:

Print an integer representing the total number of advertisement that will be displayed by the media company .

EXAMPLE:

INPUT:

758345

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C:\Users\LENOVO\Desktop>javac a1.java
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C:\Users\LENOVO\Desktop>
```

Input consists of an integer - batch, representing the batch of advertisement .

OUTPUT:

Print an integer representing the total number of advertisement that will be displayed by the media company .

EXAMPLE:

INPUT:  
258345

OUTPUT:  
14

EXPLANATION:

THE EVEN NO. IN THE BATCH ARE 2,8,4.  
HENCE THE OUTPUT IS  $2+8+4 = 14$

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C:\Users\LENOVO\Desktop>javac a1.java
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Rudrapratap

WIPRO CODING QUESTION

GIFT HAMPER

A customer buys N number of products from a shop and each products has a diffrent price. During the holiday season the shop owner decides to introduce a special offer . He wishes to distribute gift hampers to customers who purchase products whose total price is perfect cube. If customer dont meet this requirement , the owner will allow them to buy a few more products in order to make the total price a perfect cube.

Write an algorithm to print "Yes" if the customer will receive a gift hamper , else print an integer representing the price of the product the customer should try in order to receive a gift hamper.

EXAMPLE 1:

TMDIT •

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Write an algorithm to print "Yes" if the customer will receive a gift hamper , else print an integer representing the price of the product the customer should try in order to receive a gift hamper.

EXAMPLE 1:

INPUT:

6

60 7 8 10 250 730

OUTPUT:

266

EXPLANATION:

The total price for all the product is 1065 which is not a perfect cube . In order to receive a gift hamper the customer needs a total price of 1331 and they have a shortage of 266(1331-1065).

EXAMPLE 2:

END IT

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```
s2 - Notepad
File Edit Format View Help
266

EXPLANATION:
The total price for all the product is 1065 which
is not a perfect cube . In order to receive a gift
hamper the customer needs a total price of 1331 and
they have a shortage of 266(1331-1065).

EXAMPLE 2:
INPUT:
5
60 891 520 213 44

OUTPUT:
Yes

EXPLANATION:
The total price of the product is 1728 and this is
the perfect cube . So, the ans is "Yes".

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Select C:\Windows\system32\cmd.exe
Screen Recorder
C:\Users\LENOVO\Desktop>
```

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WIPRO CODING QUESTION

ONLINE EXAM CODE

In a online exam , the test paper set is catgorised by the letters A-Z . The students enrolled in the exam have been assigned a numeric value called application ID. To assign the test set to the students , first sum of all the digits in the application ID is calculated . If the sum is within the numeric range 1-26 the corresponding alphabet set code is assigned to the student, else display the output as "INVALID".

Write an algorithm to display the examination set code according to the student application ID.

INPUT:

6442

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enrolled in the exam have been assigned a numeric value called application ID. To assign the test set to the students , first sum of all the digits in the application ID is calculated . If the sum is within the numeric range 1-26 the corresponding alphabet set code is assigned to the student, else display the output as "INVALID".

Write an algorithm to display the examination set code according to the student application ID.

INPUT:

6442

OUTPUT:

p

EXAPLANATION:

SUM OF ALL DIGITS IS  $16(6+4+4+2)$  and p is the 16th letter of alphabet . So p is output.

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WIPRO NLTH CODING QUESTIONS

Kth SORTEST EXECUTION

The company wishes to modify the technique by which tasks in the processing queue are executed . There are N processes with unique IDs from 0 to N-1. Each of these tasks has its own execution time .The company wishes to implement a new algorithm for processing tasks . For this purpose they have identified a value by K.By the new algorithm , the processor will first process the task that has the Kth shortest execution.

Write an algorithm to find the Kth shortest execution time.

EXAMPLE:

INPUT:

7 5

9 -3 8 -6 -7 18 10

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company wishes to implement a new algorithm for processing tasks . For this purpose they have identified a value by K.By the new algorithm , the processor will first process the task that has the Kth shortest execution.

Write an algorithm to find the Kth shortest execution time.

EXAMPLE:

INPUT:

7 5

9 -3 8 -6 -7 18 10

OUTPUT:

9

EXPLANATION:

The sortest list of execution time is

[-7,-6,-3,8,9,10,18]

So, the 5th smallest execution time is 9.

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WIPRO NLTH 2021  
E-commerce company

The e-commerce company Book shelf wishes to analyze its monthly sales data between minimum range 30 and maximum range 100. The company has categorised the book sales into four groups depending on the number of sales. With the help of these groups, the company will know which stock they should increase or decrease in their inventory for the next month. The groups are as follows:

Sales Range	Groups
30 - 50	D
51 - 60	C
61 - 80	B
81 - 100	A

Write an algorithm to find the group for a given book sale count.

C:\Users\LENOVO\Desktop>Runpratap

```
a5 - Notepad
File Edit Format View Help
51 - 60      C
61 - 80      B
81 - 100     A

Write an algorithm to find th group for a given
book sale count.

Constraints:
30 <= saleCount <= 100

Example:
Input:
57

Output:
C

Explanation:
57 lies in range 51 - 60 , so the group is C.

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Select C:\Windows\system32\cmd.exe
C:\Users\LENOVO\Desktop>RunRapatap
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WIPRO CODING QUESTION

BUCKETIZE IDS

A company wishes to bucketize their item IDs for better search operations . The bucket for the item ID is chosen on the basis of the maximum value of the digit in the item ID . Write an algorithm to find the bucket to which the itemID will be assigned.

INPUT:

The input consists of an integer itemID,representin the identity number of the item .

OUTPUT:

Print an integer representing the bucket to which the item ID will be assigned .

EXAMPLE:

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to find the bucket to which the itemID will be assigned.

INPUT:

The input consists of an integer itemID, representing the identity number of the item .

OUTPUT:

Print an integer representing the bucket to which the item ID will be assigned .

EXAMPLE:

INPUT:

32387634

OUTPUT:

8

EXPLANATION:

8 IS THE MAXIMUM DIGIT IN THE GIVEN ITEM ID . SO,  
THE OUTPUT IS 8.

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WIPRO CODING QUESTION

CHRISTMAS DISCOUNT

A company plans to give their customers a discount for the Christmas holiday. The discount will be calculated on the basis of the bill amount of the order placed . The discount amount is the product of the sum of all odd digits and the sum of all even digits of the customer's total bill amount.

Write an algorithm to find the discount amount for the given total bill amount.

INPUT:

The input consists of an integer, representing the total bill amount of a customer.

OUTPUT:

Print an integer representing the discount amount for the given total bill.

C:\Windows\system32\cmd.exe  
C:\Users\LENOVO\Desktop>



The input consists of an integer, representing the total bill amount of a customer.

OUTPUT:

Print an integer representing the discount amount for the given total bill.

EXAMPLE:

INPUT:

2514795

OUTPUT:

162

EXPLANATION:

Odd digits in the given number 2514795 are 5,1,7,9,5. The sum of these odd digits is 27.

Even digits in the given number 2514795 are 2,4. The sum of these even digits is 6.

So, the output is 162( $27 \times 6$ ).

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WIPRO CODING QUESTION

Secreat message agency

Secret Message agency provides message encoding and decoding services for secure data transfer . The first step in decoding includes removal of special characters and whitespaces from the message , as special characters and whitespaces do not hold any meaning.

Write an algorithm to help the agency find the number of special characters and whitespaces in a given message.

**INPUT:**

The input consists of a string message, representing the message that need to be decoded by the agency.

**OUTPUT:**

Print an integer representing the number of special

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## INPUT:

The input consists of a string message, representing the message that need to be decoded by the agency.

## OUTPUT:

Print an integer representing the number of special characters and whitespaces present in the given message.

## EXAMPLE:

## INPUT:

gasgg54@#vscsd!s\*

## OUTPUT:

4

## EXPLANATION:

The special characters having no meaning are ('@', '#', '!', '\*').

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The special characters having no meaning are ('@', '#', '!', '\*').

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## WIPRO NLTH 2021 CODING QUESTION SALES REPORT

A company has a sales record of N products for M days. The company wishes to know the maximum revenue received from a given product of the N products each day. Write an algorithm to find the highest revenue each day.

### INPUT:

The first line of the input consists of two space separated integers days(M) and product(N), representing the days and the product in the sales record.

The next M lines consist of N space separated integers representing the sales revenue received from each product each day.

### OUTPUT:

Print M space-separated integers representing the maximum received each day.

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OUTPUT:

Print M space-separated integers representing the maximum received each day.

EXAMPLE:

INPUT:

3 4

100 198 333 323

122 232 221 111

223 565 245 764

OUTPUT:

333 232 764

EXPLANATION :

The maximum revenue on the first day is 333, followed by a maximum revenue of 232 on the second day and a maximum revenue of 764 on the third day.

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WIPRO NLTH 2021 CODING QUESTION

ODD EVEN ONLINE GAME

//telegram link is in description box

You are playing an online game. In the game, a list of N numbers is given. The player has to arrange the numbers so that odd numbers of the list come after the even numbers. Write an algorithm to arrange the given list such that all the odd numbers of the list come after the even numbers.

INPUT:

The first line of the input consists of integer num, representing the size of the list(N).

The second line of the input consists of N space-separated integers representing the values of the list.

OUTPUT:

Print N space-separated integers such that all the odd numbers of the list come after the even numbers.

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## Input

The First Line Of Input Consists Of A String- Sale, Representing The Daily Sales Of The Company (S).

The Second Line Of Input Consists Of An Integer- Size Representing The Number Of Product Codes Shortlisted By The Company (N)..

The last line of input consist of N space-separated character product code representing the desired product code .

## Output

Print an integer representing the total sales count of the shortlisted products.

Note :-

The characters in the productCode are always unique.