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1. Write a program to find the quantity of vowels in a string.

Example:

Input: "pranjit"

It has two vowels ('a' & 'i'). So the output will be 2

2. Write a program to find the quantity of even numbers on a given input integer.

Example:

Input: 2465

It has three even numbers (2,4 & 6). So the output will be 3

3. Write a program to check if a number is palindrome or not.

Example:

Case 1:

Input: 2332

The reversed digit is 2332 (which is equal to the original number). Therefore, the output will be:

"2332 is a palindrome."

Case 2:

Input: 2365

The reversed digit is 5632 (which is not equal to the original number). Therefore, the output will

be: "5632 is not a palindrome."

4. Write a program to check whether a given character/string is a vowel or consonant.

Example:

Case 1:

Input: 'a'

Output: "It is a vowel"

Case 2:

Input: 'p'

Output: "It is a consonant"

5. Write a program to check whether a given number is prime or not.

Example:

Case 1:

Input: 3

Output: Prime

Case 2:

Input: 46

Output: Not Prime

6. Write a program to find the number has all the digits in ascending order. If yes then print "OK",

if no print "NO"

Example:

Case 1:

Input: 3679 Output: OK

Explanation: In the input all the digits are in ascending order. (3 < 6 < 7 < 9)

Case 2:

Input: 3561

Output: NO

Explanation: All the digits are not in ascending order

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7. User input will be a price (e.g. 354). Assume the price is **x**. You need to find the prime numbers in this and add them. Assume the addition result is **n**. The output will be the discounted price on **x**. And the discount percentage is **n%**.

Note: If there is 1 in the price, then assume this as not prime.

Example:

Input

Enter the price: 3657

Output

3108.45

Explanation:

In the price there are three prime numbers i.e. 3,5 & 7.

Their sum is = (3+5+7) = 15

Hence the output will be 15% discount on 3657.

Therefore, 3657-3657*15% = 3108.45

8. There will be two inputs. First input will be string; another will be a character. You have to print the count of that character in the string. If the character is absent in string, then print:

"Character absent"

Example:

Case 1:

Input

Input1: "tomorrow"

Input2: "o"

Output

3

Explanation:

In the word "tomorrow", 'o' appears three times.

Case 2:

Input

Input1: "camel"

Input2: 'p'

Output

Character absent

9. Enter a string as user input make sure it has blank spaces in it. Output will be one string in camel case (capitalizing the first character of the string just) without spaces.

Example:

Input:

Enter the string: "Hello how are you?"

Output:

HelloHowAreYou?

10. Write a program to find the factorial of a given input.

Note: If the input is 0, it should print 1.

Example:

Input

Enter a number: 5

Output

120