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

1. 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

1. 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.”

1. 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”

1. 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

1. 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

1. 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

1. 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

1. 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?

1. 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