

Control Statements

For Loop

Program 1 :

WAP to Find the sum of numbers that are not divisible by 3 up to a given number

Input: 10

Output: sum of numbers not divisible by 3 is 37

Program 2:

Write a program to print the addition of 1 to 10 with 10 to 1.

Output:

1 + 10 = 11
2 + 9 = 11
3 + 8 = 11
.
.
10 + 1 = 11

Program 3 :

WAP to print the divisors & count of divisors of the entered num.

Input: 15

Output: the divisors are 1 3 5 15

The count of divisors is 4

Additions of divisors 24

Program 4:

Write a program to take a number as input and print whether that is a prime number or not.

{Note: Prime number is the one which is divisible by 1 and that number only}

Input: 41

Output: 41 is the prime number!

Program 5:

WAP to print all even numbers in reverse order and odd numbers in the standard way. Both separately. Within a range.

Input: start - 2

End - 9

Output:

8 6 4 2

3 5 7 9

While Loop

Program 6 :

Take an input number from the user and count the no of digits.

Input = 2534

Output = Number of Digits in 2534 is 4

Program 7 :

Take an input number from the user and print the sum of digits.

Input = 1234

Output = sum of digits is 10

Program 8: Take input from the user and print the product of digits

Input = 134

Output = product of digits is 12

Program 9: Take an input number from the user and print the number in reverse

Input: 120654

Output: 456021

Program 10 :

Take a number from the user and print the Fibonacci series up to that number.

Input : 10

Output 0 1 1 2 3 5 8