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
The count of divisors is 3

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

While Loop

Program 6 :
Take an input number from the user and count the no of digits.
Input = 2534
Output = 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