

Loop Assignment 02

1. Program 1:

Write a program to print all natural numbers within the range.
Take range input from the user

Input:
Lower limit: 10
Upper limit: 15

Output:
10,11,12,13,14,15

2. Program 2:

Write a program to print all even numbers within the range.
Take range input from the user.

Input:
Lower limit: 10
Upper limit: 15

Output:
10,12,14

3. Program 3:

Write a program to print the sum of natural numbers within the range.
Take range input from the user.

Input:
Lower limit: 1
Upper limit: 10

Output: 55

4. Program 4:

Write a program to print products of natural numbers within the range.
Take range input from the user

Input:

Lower limit:1

Upper limit:10

Output:

3628800

5. Program 5:

Write a program to find the frequency of a digit in a given integer.

Input:

1231100

Output:

Frequency of 1 : 3

Frequency of 2 : 1

Frequency of 3 : 1

Frequency of 0 : 2

6. Program 6:

Write a program to find whether the entered number is palindrome or not

Input : Enter a number : 151

Output : 151 is a palindrome number

Input : Enter a number : 153

Output : 153 is not a palindrome number

7. Program 7:

Take a number input and check whether it is an automorphic number or not
(automorphic number means: is a number n whose square ends in n)

Input: 5

Output: Yes it is an automorphic number

Input: 7

Output: No it is not an automorphic number

8. Program 8:

Take a number from the user and reverse it

Input: 123

Output: 321

9. Program 9:

Take a number input as a string and reverse it

Input: "123" // as string

Output: 321 // as int

10. Program 10:

Take a range from the user and reverse each digit within the range

Input:

lower limit 10

Upper limit 15

Output:

01 | 11 | 21 | 31 | 41 | 51 |

