**Assignment No-5**

**1. Write a program to accept an integer n and display all even numbers up to n.**

#include <stdio.h> // include standard input/output functions

int main() { // main function starts, program execution begins here

int n, i; // declare integer variables n (limit) and i (loop counter)

printf("Enter an integer n: "); // ask user for input

scanf("%d", &n); // read the value of n

printf("Even numbers up to %d are:\n", n); // message to user

for (i = 2; i <= n; i += 2) { // loop starts from 2, increments by 2 each time

printf("%d ", i); // print current even number

}

return 0; // return 0 means successful program execution

}

**2. Accept two integers x and y and calculate the sum of all integers between x and y (both inclusive)**

**3. Write a program to accept two integers x and n and compute xn**

**4. Write a program to accept an integer and check if it is prime or not.**

**5. Write a program to accept an integer and count the number of digits in the number.**

**6. Write a program to accept an integer and reverse the number. Example: Input: 546, Output 645.**

**7. Write a program to accept a character, an integer n and display the next n characters.**

8. Write a program to display the first n Fibonacci numbers. (1 1 2 3 5 ……)