**LAB 3**

**Q no 1:**

Write a program in C++ that checks if a number entered by the user is Palindrome or not.

Palindrome: A palindrome is a word, number, phrase, or other sequence of characters which

reads the same backward as forward, such as madam or racecar or the number 10201

For example: 11211 is palindrome

1222 is not a palindrome.

4444 is a palindrome.

**Q no 2**

The greatest common divisor (GCD) of two integers is the largest integer that evenly divides

each of the numbers. Write a C++ program that gives the greatest common divisor of two

positive integers. Take these two numbers from the user.

Remember that the GCD of two numbers can be computed using Euclidean Algorithm as

follows

Sample Run:

Input num1: 252

Input num2: 735

Output

GCD: 21

**Q no 3:**

Write a program in C++ that prints first 10 entries of multiplication tables from 1 to 5

**Q no 4:**

Write a program in C++ that asks the user to enter size and displays a triangle of the required

size e.g. if the the user enters 4 as size then a Triangle of size 4 will be displayed on the screen as

shown below:

1

1 2

1 2 3

1 2 3 4

1 2 3

1 2

1

**Q no 5 (Arrays):**

Write a program in C++ that declares a static integer array of size 5, then in a loop asks the user

to enter 5 integer values and stores them in the array. Display the values stored in array.