


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Programming Fundamentals	Course Code:	CS1002
	Program:	Electrical Engineering	Semester:	Fall 2023
	Duration:	15 minutes	Total Marks:	10
	Exam Date:	24 October 2023	Weight:	3.33
	Section:	EE-1C -2	Page(s):	2
	Exam Type:	Quiz-2 Solution	CLO #	2

Student Name: _____ Roll No. _____ Section: _____

Instruction/Notes: 1. Do not forget to write your Name and Roll Numbers.
2. Solve on the paper and Return.

Question No. 1

Marks: 10

Write a C++ program that:

- prompts the user to enter upper and lower limits for a range of integers.
- displays all the even numbers in this range
- displays the sum of even numbers.

For example, if a user enters 35 as a lower limit, and 50 as an upper limit, then your program's output should be similar to the one shown below:

36 38 40 42 44 46 48 50
Sum of even numbers: 344

For this question, you must use loop.

Solution:

```
#include<iostream>
using namespace std;

int main( )
{
    int lower, upper, sum = 0;

    cout << "Enter the lower and upper numbers: ";
    cin >> lower >> upper;

    for (int i = lower; i <= upper; i++)
    {
        if (i%2==0)
        {cout<<i<<" ";
          sum=sum+i;}
    }

    cout << "\nSum of even number: " << sum;
    return 0;
}
```