


# 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-1A -1	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 prints the sum of the individual digits in a number. You must use a 'loop' for this problem.

### Sample Run:

Enter the Number: 1324

Sum of Digits: 10

### Solution:

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

int main()
{
    int num, rem, sum=0;
    cout<<"Enter the Number: ";
    cin>>num;
    while(num>0)
    {
        rem = num%10;
        sum = sum+rem;
        num = num/10;
    }
    cout<<"Sum of Digits:"<<sum;

    return 0;
}
```