

# National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Programming Fundamentals Lab	Course Code:	CS118
	Degree Program:	BS (Computer Science)	Semester:	Fall 2023
	Exam Duration:	10 mints	Total Marks:	10
	Paper Date:	28 <sup>th</sup> Nov, 2023	Weight	2.5%
	Section:	BCS-1F	Page(s):	1
	Quiz:	Quiz 2		

**Student: Name:** \_\_\_\_\_ **Roll No.** \_\_\_\_\_

## Instruction/Notes:

- In case of **plagiarism**, Disciplinary committee (**DC**) action will be taken against you and Make sure that **F grade** will be given to you in this course.
- **Multiple answers** are not acceptable
- Everyone use **solid pen** to solve the paper otherwise **zero** will be awarded to you

## Question: 1

**[10] Marks**

Write the proper **output** of the given program

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

int confuse(int& a, int& c, int b)
{
    b = a*c;
    a = b*c;
    c = a+b;
    cout<<"a = "<<a<<"\n";
    cout<<"b = "<<b<<"\n";
    cout<<"c = "<<c<<"\n\n";
    return (a+b+c);
}
int mix(int& b, int& a, int c)
{
    a = b*c;
    b = b+c;
    c = a*b;
    int d=confuse(a,b,c);
    cout<<"a = "<<a<<"\n";
    cout<<"b = "<<b<<"\n";
    cout<<"c = "<<c<<"\n";
    cout<<"d = "<<d<<"\n\n";
    return (a+d);
}
int main()
{
    int a=1, b=2, c=3;
    int d=mix(a,c,b);
    cout<<"a = "<<a<<"\n";
    cout<<"b = "<<b<<"\n";
    cout<<"c = "<<c<<"\n";
    cout<<"d = "<<d<<"\n\n";

    system("pause");
    return 0;
}
```