National University of Computer and Emerging Sciences, Lahore Campus

	Course:	OOP	Course Code:	CS217
	Program:	BS(Computer Science)	Semester:	
	Duration:	10 Minutes	Total Marks:	10
	Paper Date:	18-4-2022	Page(s):	1
	Section:	BCS-2J	Roll No.	
	Exam:	Quiz-4		

Instruction/Notes: • Negative marks will be awarded for any suspicious activity found during/in the quiz.

Question 1: To the point answer needed.

Compiler may not perform inlining in following circumstances: *Solution*

1) Loops
2) Static variables
3) Recursion
4) Switch / goto Statement

Question 2: Find the Error & Correct it. Then write the output

```cpp
#include <iostream>
using namespace std;
class Myinlineclass
{
    int x, y;
public:
    Myinlineclass(int =9, int =3);
    void in_function();
    ~Myinlineclass();
};
inline void Myinlineclass :: in_function()
{
    static Myinlineclass obj;
}
```

```cpp
Myinlineclass::Myinlineclass(int a , int b )
{
    x=a; y = b;
    cout<<"Constructor For "<<x<<" - "<<y<<endl;
}
Myinlineclass::~Myinlineclass()
{
    cout<<"Destructor For "<<x<<" - "<<y<<endl;
}
int main()
{
    Myinlineclass m(2,3);
    m.in_function();
    return 0;
}
```

Output: (You can use backside of the paper)

Constructor For 2 - 3
Constructor For 9 - 3
Destructor For 2 - 3
Destructor For 9 - 3

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