

Course No:
Course Title: Programming II
Date: 03/11 / 2012
No. of Questions: 3 Questions
Time: 90 minutes
Using Calculator (No)

University of Palestine



Mid Exam
2012-2013
Total Grade: 100

Instructor Name: Mrs. Eman Alajrami
Student No.: _____
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Dep. / Specialist: _____
Using Dictionary (No)

First Question	No. of Branches (1)	30 Marks
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A) Choose the correct answer:

```
int a=9; //in the global space...
void f() {
    int a;
    a = 4;
}
```

And if we type: `system.out.println(a);` in the `main()` method, what will be the result?

- a. Other
- b. 9
- c. 4
- d. 0

B) Find and correct the error in each of the following program segments:

```
a) final int ARRAY_SIZE = 5;
ARRAY_SIZE = 10;
```

```
b) Assume int b[] = new int[ 10 ];
for ( int i = 0; i <= b.length; i++ )
b[ i ] = 1;
```

```
c) Assume int a[][] = { { 1, 2 }, { 3, 4 } };
a[ 1, 1 ] = 5;
```

C)Read the following code:

1. Can you run the code without errors? if no find the error and correct it.
2. what is the output of the code?
3. what is the relation between class A and B?

```
public class A {
    int data;

    public void f(int arg) { data = arg; }
    public int g() { return data; }
}

Public class B {
    A x;
}

public class Test{

public static void main(String args[]) {
    B obj;
    obj.x.f(20);
    system.out.println( obj.x.g());
    system.out.println (obj.g());
}
}
```


