

Course Title: Programming 1
Date: 16 / 04 / 2019
No. of Questions: 7 Questions
Time: 1 hour
Using Calculator (No)

University of Palestine



2nd Midterm Exam
2nd semester 2018/2019
Total Grade: 15

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

First Question

No. of Branches (3)

(10 marks)

1. Identify and correct the errors in the following programs: (5 marks)

```
int i = 1;
while ( i <= 10 );
    i++;
}
```

```
for ( i = 100, i >= 1, i++ )
    System.out.println( i );
```

```
int sum( int x, int y )
{
    int result;
    result = x + y;
}
```

```
void f( float a );
{
    float a;
    System.out.println( a );
}
```

```
public class Test {
    public static method1(int n, m) {
        n += m;
        method2(3.4);
    }
    public static int method2(int n) {
        if (n > 0) return 1;
        else if (n == 0) return 0;
        else if (n < 0) return -1;
    }
}
```

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2. Show the printout of the following code: (2 marks)

```
public class Test {  
    public static void main(String[] args) {  
        int i = 1;  
        while (i <= 4) {  
            int num = 1;  
            for (int j = 1; j <= i; j++) {  
                System.out.print(num + "bb");  
                num *= 3;  
            }  
  
            System.out.println();  
            i++;  
        }  
    }  
}
```

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```
public class Test {  
    public static void main(String[] args) {  
        int max = 0;  
        max(1, 2, max);  
        System.out.println(max);  
    }  
    public static void max( int value1, int value2, int max) {  
        if (value1 > value2)  
            max = value1;  
        else  
            max = value2;  
    }  
}
```

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