

Quiz7 - Results



Attempt 1 of 1

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Attempt Score 10 / 10 - 100 %

Overall Grade (Highest Attempt) 10 / 10 - 100 %

Question 1

2 / 2 points

Choose the correct statement for line 8 of the following program so that it prints 7, when it is executed:

```
1 public class Example {  
2     static int x = 0;  
3     public static void main(String[] args) {  
4         int x = 2;  
5         System.out.println(f1(x) + x);  
6     }  
7     public static int f1(int num){  
8  
9         for (int i= num; i > 0; i--)  
10             res += i;  
11         return res;  
12     }  
13 }
```

- ☐ int res = x;
- ☐ nothing is needed. The program prints 7 as it is
- ☒ int res = num;
- ☐ int res = Main.x;

Question 2

1 / 1 point

Which of the following statements is/are NOT correct?

- ✓ ☐ Method overloading is used when a method has optional arguments
- ✓ ☐ Java provides method overloading for methods of the same name, but different parameter list and different return type.
- ✓ ☒ Java provides method overloading for methods of the same name, same parameter list, but different return type.
- ✓ ☒ Parameter lists considered equal if the number, name and type of parameters are equal.

Question 3

2 / 2 points

Analyze the following code:

```
public class Example {  
    static int res = 0;  
    public static void main(String[] args) {  
        System.out.println(f1(3));  
    }  
    public static int f1(int num){  
        int res;  
        for (int i= num; i > 0; i--)  
            res += i;  
        return res;  
    }  
}
```

- ☐ 6
- ✓ ☒ The code has syntax error, because in line 9, res is not initialized.
- ☐ There is no syntax error, because method f1 is using global res which is already initialized in line 2.
- ☐ There is run-time error.

Question 4

1 / 1 point

Which of the following statements is NOT correct?

- ☐ A stub is a simple and incomplete version of a lower-level function which can be used to test higher-level functions.
- ☐ Function is used for representing top-down design.

- ☐ A good design has strong cohesion and loose coupling.
- ✓ ☒ A stub is used for bottom-up implementation.

Question 5**2 / 2 points**

What is the result of running `System.out.println(fun(3));` having the following definition of fun method?

```
public static int fun(int num){  
    int res= 10;  
    for (int i= num; i > 1; i--)  
        res += i;  
    return res;  
}
```

- ✓ ☒ 15
- ☐ There is a syntax error because calling fun() method is wrong in println method.
- ☐ 16
- ☐ 6

Question 6**2 / 2 points**

Write a method header for max method, if you can call the method using the following statement:

```
System.out.printf("The maximum of %d and %d is %d", n1, n2, max(n1,n2));
```

Please avoid any unnecessary whitespaces.

Answer: `public static int max(int n1, int n2)` ✓

Done