

# DAY-21(OVERLOADING)

1

Can you overload methods by changing the access modifier (e.g., from public to private)?

- ☐ Only if the access modifier is changed to protected.
- ☐ Yes, access modifier changes are considered method overloads.
- ☐ Only if the access modifier is changed to public
- ☒ No, access modifier changes are not considered method overloads.

**Correct**

What is the output of the below Java program?

```
public class TestingConstructor{  
    void TestingConstructor(){  
        System.out.println("Amsterdam");  
    }  
    TestingConstructor(){  
        System.out.println("Antarctica");  
    }  
    public static void main(String[] args){  
        TestingConstructor tc = new TestingConstructor();  
    }  
}
```

☐ Antarctica

☐ No output

☒ Compiler error

☐ Amsterdam

**Incorrect**

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What is the process of defining two or more methods within same class that have same name but different parameters declaration?

☐ None of the mentioned

☐ Method hiding

☒ Method overloading

☐ Method overriding

**Correct**

What is the output of the below Java program with multiple methods?

```
public class MethodOverloading1{  
    void show(int a, char b){  
        System.out.println("KING KONG");  
    }  
    void show(char a, int b){  
        System.out.println("JIM JAM");  
    }  
    public static void main(String[] args){  
        MethodOverloading1 m = new MethodOverloading1( );  
        m.show(10, 'A');  
        m.show('B', 10);  
    }  
}
```

- ☒ Compiler error
- ☐ KING KONG KING KONG
- ☐ KING KONG JIM JAM
- ☐ JIM JAM JIM JAM

**Incorrect**

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What is the output of the below Java program?

```
public class Solve{  
    public void m1(int a, byte b){  
        System.out.println("m1");  
    }  
    public void m1(int a, int b){  
        System.out.println("m2");  
    }  
    public static void main(String[] args) {  
        Solve obj = new Solve();  
        obj.m1(5,5);  
    }  
}
```

☒ m2

☐ m1

☐ None of the above

☐ Code does not compile

**Correct**