

FPP Quiz 1

```
1. class MyClass{
    System.out.println("hello");
}
```

When you compile/run this program the result is:

- a. Outputs hello to the console
- b. Compiler error
- c. Runtime exception

```
2. class MyClass {
    public static void main(String[] args) {
        myMethod();
    }

    public void myMethod() {
        System.out.println("hello");
    }
}
```

When you compile/run this program the result is:

- a. Outputs "hello" to the console
- b. Compiler error
- c. Runtime exception

```
3. class MyClass {
    public static void main(String[] args) {
        MyClass m = new MyClass();
        m.myMethod();
    }
    private void myMethod() {
        System.out.println("hello");
    }
}
```

When you compile/run this program the result is:

- a. Outputs "hello" to the console
- b. Compiler error
- c. Runtime exception

4.

```
class MyClass {
    public static void main(String[] args) {
        AnotherClass a = new AnotherClass(new MyClass());

    }
    private void myMethod() {
        System.out.println("hello");
    }
}

class AnotherClass {
    AnotherClass(MyClass m) {
        m.myMethod();
    }
}
```

When you compile/run this program the result is:

- a. Outputs "hello" to the console
- b. Compiler error
- c. Runtime exception

5.

```
class MyClass {
    public static void main(String[] args) {
        AnotherClass a = new AnotherClass(new MyClass());
    }
    private void myMethod() {
        System.out.println("hello");
    }
}

class AnotherClass {
    AnotherClass(MyClass m) {
        myMethod();
    }
}
```

When you compile/run this program the result is:

- a. Outputs "hello" to the console
- b. Compiler error
- c. Runtime exception

6. Suppose MyClass and AnotherClass are in the same package.

```
class MyClass {
    public static void main(String[] args) {
        AnotherClass a = new AnotherClass(new MyClass());
        a.anotherMethod();
    }
    void myMethod() {
        System.out.println("hello");
    }
}
class AnotherClass {
    MyClass m;
    AnotherClass(MyClass m) {
        this.m = m;
        anotherMethod();
    }
    void anotherMethod() {
        m.myMethod();
    }
}
```

When you compile/run this program the result is:

- a. Outputs "hello" to the console
- b. Outputs "hello" *twice* to the console
- c. Compiler error
- d. Runtime exception

7. Suppose MyClass and AnotherClass are in the same package.

```
class MyClass {
    public static void main(String[] args) {
        AnotherClass a = new AnotherClass(new MyClass());
        a.anotherMethod();
    }
    void myMethod() {
        System.out.println("hello");
        a.anotherMethod();
    }
}
class AnotherClass {
    MyClass m;
    AnotherClass(MyClass m) {
        this.m = m;
    }
    void anotherMethod() {
        System.out.println("hello");
        m.myMethod();
    }
}
```

When you compile/run this program the result is:

- a. Continuously outputs "hello" to the console
 - b. Compiler error
 - c. Runtime exception
8.

```
class MyClass extends MySuperClass {
    public static void main(String[] args) {
        MySuperClass cl = new MyClass();
        System.out.println(cl.getType());
    }

    public int getType() {
        return 3;
    }
}

class MySuperClass {
    public int getType() {
        return 2;
    }
}
```

What happens when the program is compiled/run?

- a. Compiler error
- b. Runtime error
- c. Outputs 2 to the console
- d. Outputs 3 to the console

9.

```
class MyClass extends MySuperClass {
    public static void main(String[] args) {
        MySuperClass cl = new MySuperClass();
        System.out.println(cl.getType());
    }

    public int getType() {
        return 3;
    }
}

class MySuperClass {
    public int getType() {
        MyClass cl = new MyClass();
        cl.getType();
        return 2;
    }
}
```

What happens when the program is compiled/run?

- a. Compiler error
- b. Runtime error
- c. Outputs 2 to the console
- d. Outputs 3 to the console