

Consider the following classes.

<pre>public class First { public void methodOne() { System.out.print("1"); } public void methodTwo() { methodOne(); System.out.print("2"); } }</pre>	<pre>public class Second extends First { public void methodOne() { super.methodOne(); System.out.print("A"); } public void methodTwo() { super.methodTwo(); System.out.print("B"); } }</pre>	<pre>public class Third extends Second { public void methodOne() { System.out.print("X"); super.methodOne(); } public void methodTwo() { System.out.print("Y"); super.methodTwo(); } }</pre>
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Assume the following declarations:

First f1 = new First();

Second f2 = new Second();

Third f3 = new Third();

What is the output of the following code?

1. f1.methodOne(); _____
2. f1.methodTwo(); _____
3. f2.methodOne(); _____
4. f2.methodTwo(); _____
5. f3.methodOne(); _____
6. f3.methodTwo(); _____

Consider the following classes:

<pre>class X { int method(boolean i) { return 100; } }</pre>	<pre>class Y extends X { double method(double d) { return d /= d; } }</pre>	<pre>class Z extends Y { float method(int f) { return f += f; } }</pre>
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Assume the following declaration:

`Z z = new Z();`

What is the output of the following code?

`z.method(21.12));` _____

Consider the following classes:

```
class A
{
    public A(int i)
    {
        System.out.println(myMethod(i));
    }

    int myMethod(int i)
    {
        return i++ + i--;
    }
}
```

```
class B extends A
{
    public B(int i, int j)
    {
        super(i*j);

        System.out.println(myMethod(i, j));
    }

    int myMethod(int i, int j)
    {
        return super.myMethod(i*j);
    }
}
```

Assume the following declaration:

```
B b = new B(12, 2);
```

What is the output? _____

Consider the following classes:

```
class ABC
{
    void methodABC()
    {
        System.out.println(111);
    }

    void methodABC(int i)
    {
        System.out.println(222);
    }
}
```

```
class XYZ extends ABC
{
    @Override
    void methodABC(int i)
    {
        System.out.println(333);
    }

    @Override
    void methodABC()
    {
        System.out.println(444);
    }
}
```

Assume the following declaration:

```
XYZ abc = new XYZ();
```

What is the output after executing the following code?

```
abc.methodABC(10);
```

```
abc.methodABC();
```
