



Online Java Compiler



Premium Coding
Courses by Programiz

[Learn More](#)[Programiz PRO >](#)

Main.java



Run

Output

[Clear](#)

```
1
2 class Base {
3
4 void area(int a, int b) {
5     int area = a * a;
6     System.out.println("Area of square: " + area);
7 }
8 }
9
10 class Derived extends Base {
11
12 void area(int a, int b) {
13     int area = a * b;
14     System.out.println("Area of rectangle: " + area);
15 }
16 }
17
18 public class Main {
19     public static void main(String[] args) {
20         Base base = new Base();
21         Derived derived = new Derived();
22         base.area(5, 0);
23         derived.area(4, 6);
24     }
25 }
```

```
java -cp /tmp/rSU2Daxa5H/Main
Area of square: 25
Area of rectangle: 24
```

```
=== Code Execution Successful ===
```

Main.java



Share

Run

Output

```
1- class ConstructorDemo {
2     int a;
3     int b;
4- ConstructorDemo() {
5         a = 10;
6         b = 15;
7         System.out.println("Default constructor called");
8     }
9- ConstructorDemo(int x, int y) {
10        a = x;
11        b = y;
12        System.out.println("Parameterized constructor called");
13    }
14- void disp() {
15        System.out.println("a = " + a);
16        System.out.println("b = " + b);
17    }
18 }
19- public class Main {
20-     public static void main(String[] args) {
21         ConstructorDemo obj1 = new ConstructorDemo();
22         obj1.disp();
23         ConstructorDemo obj2 = new ConstructorDemo(20, 25);
24         obj2.disp();
25     }
26 }
```

```
java -cp /tmp/xpZhDGT9uP/Main
Default constructor called
a = 10
b = 15
Parameterized constructor called
a = 20
b = 25
```

```
=== Code Execution Successful ===
```