Method1:

class Main {

// create a method

public int addNumbers(int a, int b) {

int sum = a + b;

// return value

return sum;

}

public static void main(String[] args) {

int num1 = 25;

int num2 = 15;

// create an object of Main

Main obj = new Main();

// calling method

int result = obj.addNumbers(num1, num2);

System.out.println("Sum is: " + result);

}

}

**Output**

Sum is: 40

Method2:

class Main {

public static int square(int num) {

return num \* num;

}

public static void main(String[] args) {

int result;

result = square(10);

System.out.println("Squared value of 10 is: " + result);

}

}

**Output**:

Squared value of 10 is: 100

Method3:

class Main {

// method with no parameter

public void display1() {

System.out.println("Method without parameter");

}

// method with single parameter

public void display2(int a) {

System.out.println("Method with a single parameter: " + a);

}

public static void main(String[] args) {

// create an object of Main

Main obj = new Main();

// calling method with no parameter

obj.display1();

// calling method with the single parameter

obj.display2(24);

}

}

**Output**

Method without parameter

Method with a single parameter: 24

Method4: Java standard library method

public class Main {

public static void main(String[] args) {

// using the sqrt() method

System.out.print("Square root of 4 is: " + Math.sqrt(4));

}

}

**Output**:

Square root of 4 is: 2.0

Method5:

public class Main {

// method defined

private static int getSquare(int x){

return x \* x;

}

public static void main(String[] args) {

for (int i = 1; i <= 5; i++) {

// method call

int result = getSquare(i);

System.out.println("Square of " + i + " is: " + result);

}

}

}

**Output**:

Square of 1 is: 1

Square of 2 is: 4

Square of 3 is: 9

Square of 4 is: 16

Square of 5 is: 25