# JBK1004-Basic & Method Calling

**Example : - 1**

```
class O3{
  public static void main(String[] args){
    System.out.println("3 / 2    = " + (3 / 2));
    System.out.println("3 / 2.0  = " + (3 / 2.0));
    System.out.println("3.0 / 2  = " + (3.0 / 2));
    System.out.println("3.0 / 2.0 = " + (3.0 / 2.0));
  }
}
```

**Example : - 2**

```
class O7{
  public static void main(String[] args){
    int a=10;
    System.out.println(a);
    a = a+2;
    System.out.println(a);
    a = a*2;
    System.out.println(a);
    a = a-2;
    System.out.println(a);
  }
}
```

**Example : - 3**

```
class D1{
  public static void main(String[] args){
    double b = 123.43555;
    char c = 'e';
```

```
    boolean d = true;
    System.out.println("Double :" + b);
    System.out.println("Character :" + c);
    System.out.println("Boolean :" + d);
  }
}
```

**Example : - 4**

```
class D{
  public static void main(String[] args){
    int x = 1, y = 5;
    System.out.println("x");
    System.out.println("y");
    System.out.println("x"+"y");
    System.out.println(x);
    System.out.println(y);
    System.out.println(x+y);
  }
}
```

**Example : - 5**

**// All the character variables get converted to integers while performing arithmetric operations or in any such other expression.**

```
class D2{
  public static void main(String[] args){
    int a = 10;
    char ch = 'h';
    int sum = a + ch;
    System.out.println(sum);
  }
```

```
}
```

**Example : - 6**

```
class D3{
 public static void main(String[] args){
  int sum = 23;
  int n = 7;
  double avg;
  avg = (double)sum/n;
  System.out.println("Average = " + avg);
 }
}
```

**Example : - 7**

```
public class Class_Example_1 {
      int a 10;
         float b=2.1;
//     float b=(float)2.1;
         String str=”Java By Kiran”;
         public void display()
         {
                  System.out.println("The Integer Value is : "+a);
                  System.out.println("The Float Value is : "+b);
                  System.out.println("The String Value is : "+str);
         }
}
 class mainClass {
         public static void main (String args[]) {
                  Class_Example_1 obj = new Class_Example_1();
                  obj.display();
         }
```

```
}
Example : - 8
public class Class_Example_2 {
	void display1() {
		System.out.println("This is Class - 1");
	}
}
class Class2 {
	void display2() {
		System.out.println("This is Class - 2");
	}
}
class Class3 {
	void display3() {
		System.out.println("This is Class - 3");
	}
}
class MainClass {
	public static void main(String[] args) {
		Class_Example_2 obj1 = new Class_Example_2();
		Class2 obj2 = new Class2();
		Class3 obj3 = new Class3();
		obj1.display1();
		obj2.display2();
		obj3.display3();
	}
}
Example : - 9
public class DataType_Int {
	int a = 15000;
```

```
        int b = -20000;
        void add() {
                int c = a + b;
                System.out.println("The int Value is : " + c);
        }
}
class MainClass {
        public static void main(String args[]) {
                DataType_Int obj = new DataType_Int();
                obj.add();
        }
}
```

**Example : - 10**

```
public class DataType_Boolean {
        boolean a = true;
        void check() {
                if(a == true) {
                        a = false;
                        System.out.println("The Boolean Value is : " +
a);
                }
        }
}
class MainClass {
        public static void main(String args[]) {
                DataType_Boolean obj = new DataType_Boolean();
                obj.check();
        }
}
```

**Example : - 11**

```
public class DataType_Char {
        char a = 'J';
        char b = 'A';
        char c = 'V';
        char d = 'A';
        void join() {
                System.out.println("The Characters Value is : " +
a+b+c+d);
        }
}
class MainClass {
        public static void main(String args[]) {
                DataType_Char obj = new DataType_Char();
                obj.join();
        }
}
```

**Example : - 12**

```
public class Method_Ex1 {
        int x=10, y=20;
        float z;
         void add() {
                z = x + y;
                display(z);
        }
        void sub() {
                z = x - y;
                display(z);
        }
        void multi() {
                z = x * y;
```

```
                display(z);
        } void div() {
                z = x / y;
                display(z);
        } private void display(float ans) {
                // TODO Auto-generated method stub
                System.out.println(ans);
        }
}
class MainClass {
        public static void main(String args[]) {
                Method_Ex1 obj = new Method_Ex1();
                obj.add();
                obj.sub();
                obj.multi();
                obj.div();
        }
}
```

**Example : - 13**

```
class Add{
 public static int add_int(int x,int y){
  return x+y;
 }
 public static void main(String[] args){
  int z;
  z = add_int(2,4);
  System.out.println(z);
 }
}
```

**Example : - 14**

```
class Area{
 public static double getArea(double x,double y){
  return x*y;
 }
 public static void main(String[] args){
  double z = getArea(10.2,23.4);
  System.out.println(z);
 }
}
```

**Example : - 15**

```
class Rectangle{
 int length;
 int breadth;
 void Rectangle(int l, int b){
  length = l;   breadth = b;
 }  public int getArea(){
  return length*breadth;
 }  }
class Cl2{
 public static void main(String[] args){
  Rectangle r = new Rectangle();
   r.Rectangle(6,7);
  System.out.println(r.getArea());
 }
}
```