

```

public class methodExecution {
    //method demo

    public int multipynumbers(int a,int b) {
        int z=a*b;
        return z;
    }

    public static void main(String[] args) {

        methodExecution b=new methodExecution();
        int ans= b.multipynumbers(10,3);
        System.out.println("Multipilcation is :"+ans);
    }

    //call by value
    public static class callMethod {

        int val=150;

        int operation(int val) {
            val =val*10/100;
            return(val);
        }

        public static void main(String[] args) {
            callMethod d = new callMethod();
            System.out.println("Before operation value of data is "+d.val);
            d.operation(100);
            System.out.println("After operation value of data is "+d.val);
        }
    }

    //method overloading
    public static class overloadMethod {

        public void area(int b,int h)
        {
            System.out.println("Area of Triangle : "+(0.5*b*h));
        }
        public void area(int r)
        {
            System.out.println("Area of Circle : "+(3.14*r*r));
        }

        public static void main(String[] args)
        {
            overloadMethod ob=new overloadMethod();
            ob.area(10,12);
            ob.area(5);
        }
    }

```

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}  
}
```

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}
```

eclipse-workspace - Assisted project/src/methodExecution.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

The screenshot displays the Eclipse IDE interface. The Project Explorer on the left shows a project named 'Assisted project' with a source folder 'src' containing a package '(default package)' with several Java files, including 'methodExecution.java'. The Console view on the right shows the output of a Java application, indicating a terminated method call and displaying the values of 'data' before and after an operation. The bottom status bar shows the Windows taskbar with various application icons and the system clock displaying 31°C.

Project Explorer

- Assisted project
 - JRE System Library [JavaSE-1.8]
 - src
 - (default package)
 - AccessModifier.java
 - Accessspecifiers.java
 - methodExecution.java
 - prject.java
 - prject1.java
 - typecasting.java
 - methodExecution.java
 - calci
 - calculator
 - firstprogram
 - hello world
 - linkedlist

Console

```
<terminated> methodExecution.callMethod [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (May 7, 2023, 10:56:41 AM)  
Before operation value of data is 150  
After operation value of data is 150
```