

```

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));
        }

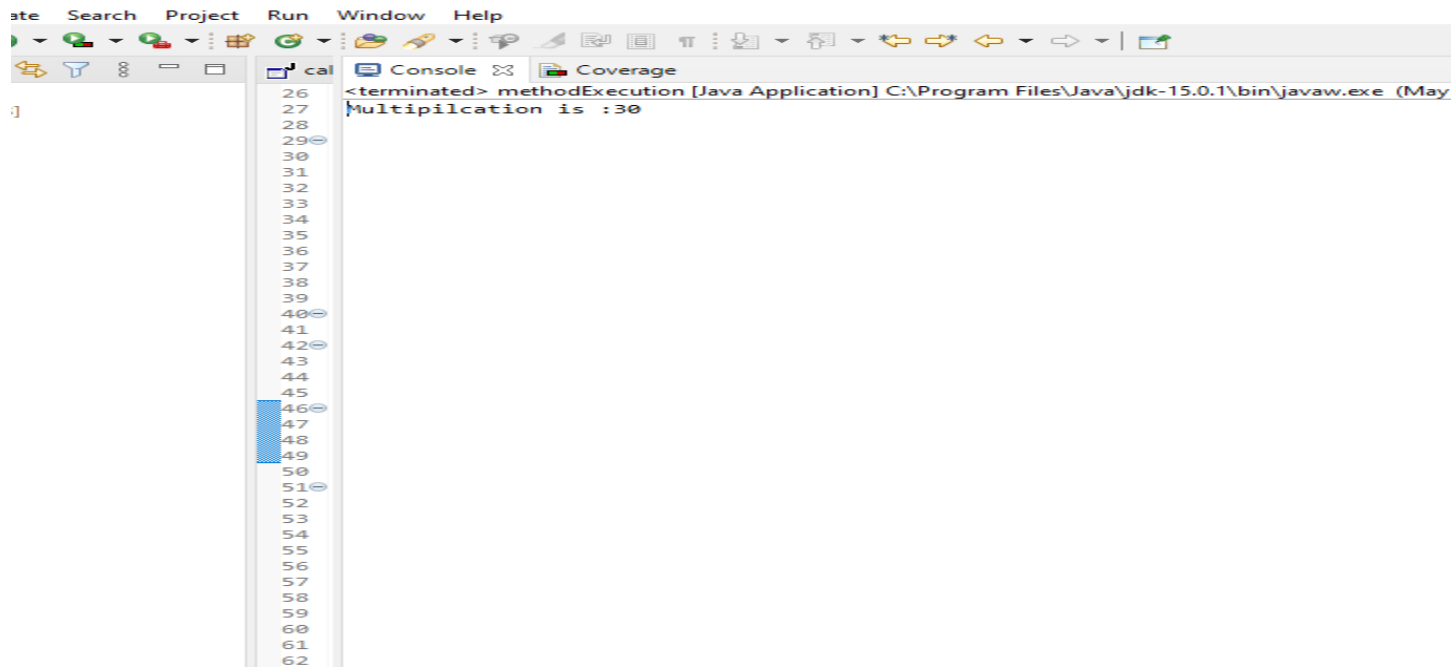
        public static void main(String[] args)
        {

            overloadMethod ob=new overloadMethod();
            ob.area(10,12);
            ob.area(5);
        }
    }

```

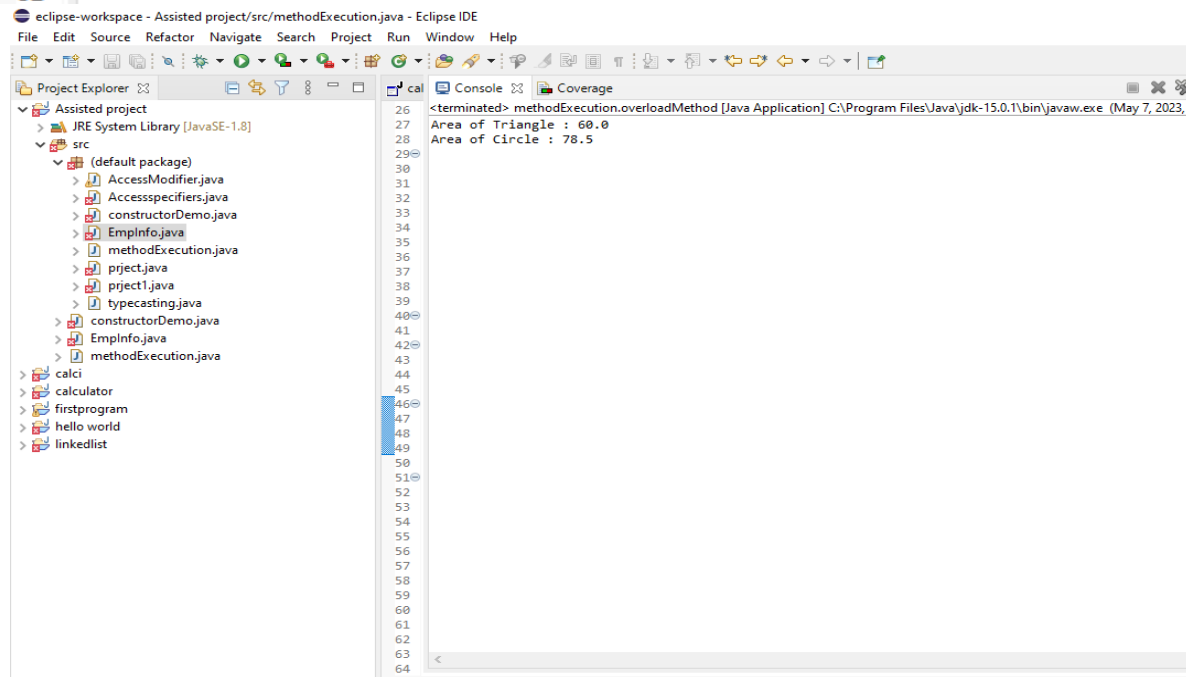
```
}  
}
```

```
}
```



The screenshot shows the Eclipse IDE interface. The top menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations and development tools. The Project Explorer on the left shows a project named 'Assisted project' with a source folder 'src' containing several Java files. The main editor displays a Java file named 'methodExecution.java' with line numbers 26 through 62. The Console window on the right shows the output of the Java application, indicating that the methodExecution terminated successfully and the multiplication result is 30.

```
<terminated> methodExecution [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (May 7, 2023, 10:00:00 AM)  
Multiplication is :30
```



The screenshot shows the Eclipse IDE interface. The top menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The Project Explorer on the left shows a project named 'Assisted project' with a source folder 'src' containing several Java files. The main editor displays a Java file named 'methodExecution.java' with line numbers 26 through 64. The Console window on the right shows the output of the Java application, indicating that the methodExecution.overloadMethod terminated successfully and the results of area calculations for a triangle and a circle are displayed.

```
<terminated> methodExecution.overloadMethod [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (May 7, 2023, 10:00:00 AM)  
Area of Triangle : 60.0  
Area of Circle : 78.5
```