**Experiment No. 11**

**Aim**

Java program to calculate the area of rectangle using the concept of Encapsulation.

**Source code**

package java\_file;

class Area\_Rectangle {

private float length;

private float breadth;

private float Area;

private void Cal\_Area() {

Area=length\*breadth;

System.out.println("The Area of Rectangle is :: "+Area+" CM");

}

public void setLength\_Breadth(float length, float breadth) {

this.length = length;

this.breadth = breadth;

}

public float getLength() {

return length;

}

public float getBreadth() {

return breadth;

}

public void show\_Area() {

Cal\_Area();

}

}

public class \_11\_Encapsulation {

public static void main(String[] args) {

Area\_Rectangle obj=new Area\_Rectangle();

obj.setLength\_Breadth(17, 10);

System.out.println("Rectangle Details in CMs ...");

System.out.println("Length :: "+obj.getLength());

System.out.println("Breadth :: "+obj.getBreadth());

obj.show\_Area();

}

}

**Output**

