

```

/*method overload(overload area c s)buff*/
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
class Shape
{
    float calculateArea(float r)
    {
        return(3.14f*r*r);
    }
    int calculateArea(int l)
    {
        return(l*l);
    }
}
class method_overload_sc
{
    public static void main(String [] args) throws IOException
    {
        BufferedReader br = new BufferedReader(new
        InputStreamReader(System.in));
        System.out.print("Enter the radius: ");
        float r = Float.parseFloat(br.readLine());
        System.out.print("Enter the length: ");
        int l = Integer.parseInt(br.readLine());
        Shape s1 = new Shape();
        System.out.println("circ area: "+s1.calculateArea(r));
        System.out.println("sq area: "+s1.calculateArea(l));
    }
}

```

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Command Prompt
C:\Users\HP\OneDrive\Desktop\practice-java 4th sem>javac method_overload_sc.java
C:\Users\HP\OneDrive\Desktop\practice-java 4th sem>java method_overload_sc
Enter the radius: 7
Enter the length: 5
circ area: 153.86002
sq area: 25
C:\Users\HP\OneDrive\Desktop\practice-java 4th sem>
```