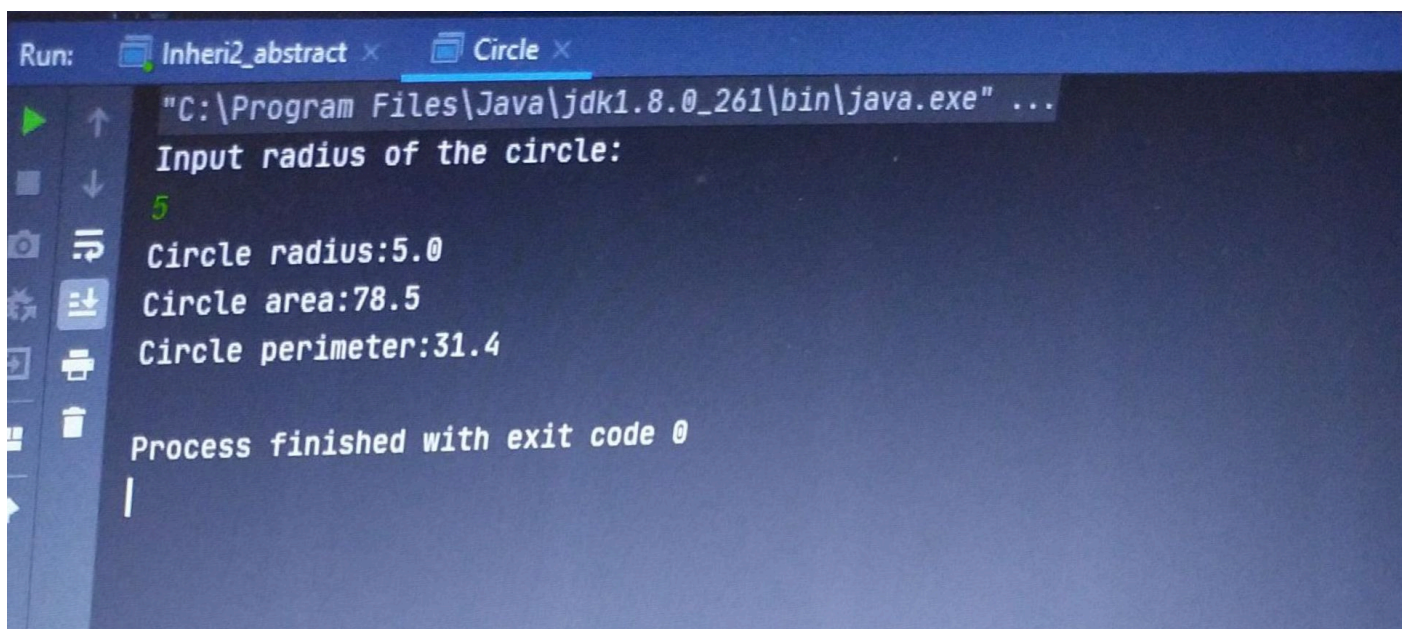


```
Ip4.java x Week6_4.java x Circle.java x
package com.company;
import java.util.Scanner;
class CircleDemo{
    Scanner s=new Scanner(System.in);
    float radius,area,perimeter;
    void accept_radius(){
        System.out.println("Input radius of the circle:");
        radius=s.nextFloat();
    }
    float calculate_area(float r){
        area=(float)(3.14*r*r);
        return area;
    }
    float calculate_perimeter(float r){
        perimeter=(float)(2*3.14*r);
        return perimeter;
    }
    void display(){
        System.out.println("Circle radius:"+radius);
        System.out.println("Circle area:"+calculate_area(radius));
        System.out.println("Circle perimeter:"+calculate_perimeter(radius));
    }
}
public class Circle {
    public static void main(String[] args){
        CircleDemo c=new CircleDemo();
        c.accept_radius();
    }
}
```

Run: Inheri2\_abstract x Week6\_3 x

```
23  
24 ▶ public class Circle {  
25 ▶     public static void main(String[] args){  
26         CircleDemo c=new CircleDemo();  
27         c.accept_radius();  
28         c.display();  
29     }  
30 }  
31 |
```

Run: Inheri2\_abstract x Week6\_3 x



The image shows a screenshot of a Java IDE's Run console. The console has a dark blue background with white text. At the top, there are two tabs: "Inheri2\_abstract" and "Circle". The "Circle" tab is selected. Below the tabs, the command prompt shows the execution of the Java program. The output includes the prompt "Input radius of the circle:", the user input "5", and the calculated values for the circle's radius, area, and perimeter. The process ends with the message "Process finished with exit code 0".

```
Run: Inheri2_abstract x Circle x
"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...
Input radius of the circle:
5
Circle radius:5.0
Circle area:78.5
Circle perimeter:31.4

Process finished with exit code 0
|
```