

Code:

Driver Class:

```
import practical10.Circle;
import java.util.Scanner;

class Practical10{
    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        float radius;
        System.out.print("Enter Radius of Circle : " );
        radius = sc.nextFloat();
        Circle circle = new Circle(radius);
        System.out.println("Radius      : " + circle.getRadius());
        System.out.println("Area        : " + circle.getArea());
        System.out.println("Perimeter  : " + circle.getPerimeter());
    }
}
```

Class in subdirectory:

```
package practical10;

import static java.lang.Math.PI;

public class Circle{
    public float radius;
    public float _area;
    public float _perimeter;

    public Circle(float radius){
        this.radius = radius;
        area();
        perimeter();
    }

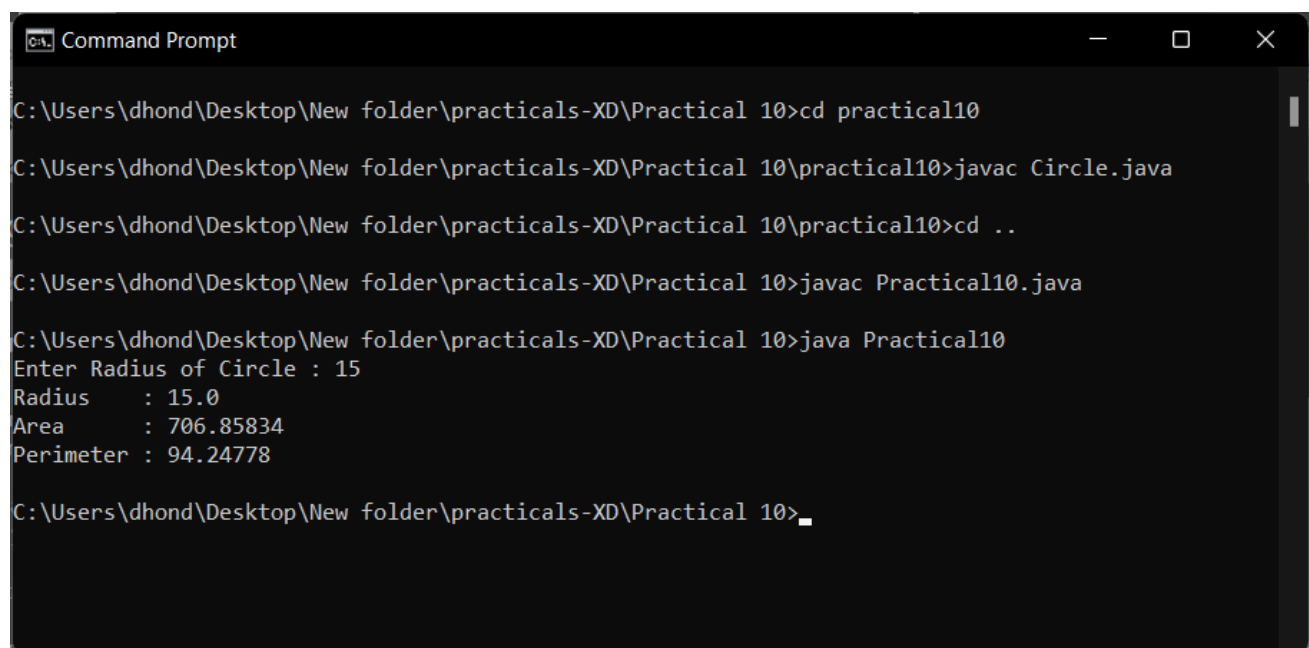
    public void area(){
        _area = (float) PI * radius * radius;
    }

    public void perimeter(){
        _perimeter = 2 * (float) PI * radius;
    }

    public float getRadius(){
        return radius;
    }
}
```

```
    public float getArea(){  
        return _area;  
    }  
  
    public float getPerimeter(){  
        return _perimeter;  
    }  
}
```

Output:



The screenshot shows a Windows Command Prompt window with the following text:

```
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 10>cd practical10  
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 10\practical10>javac Circle.java  
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 10\practical10>cd ..  
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 10>javac Practical10.java  
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 10>java Practical10  
Enter Radius of Circle : 15  
Radius      : 15.0  
Area        : 706.85834  
Perimeter   : 94.24778  
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 10>_
```