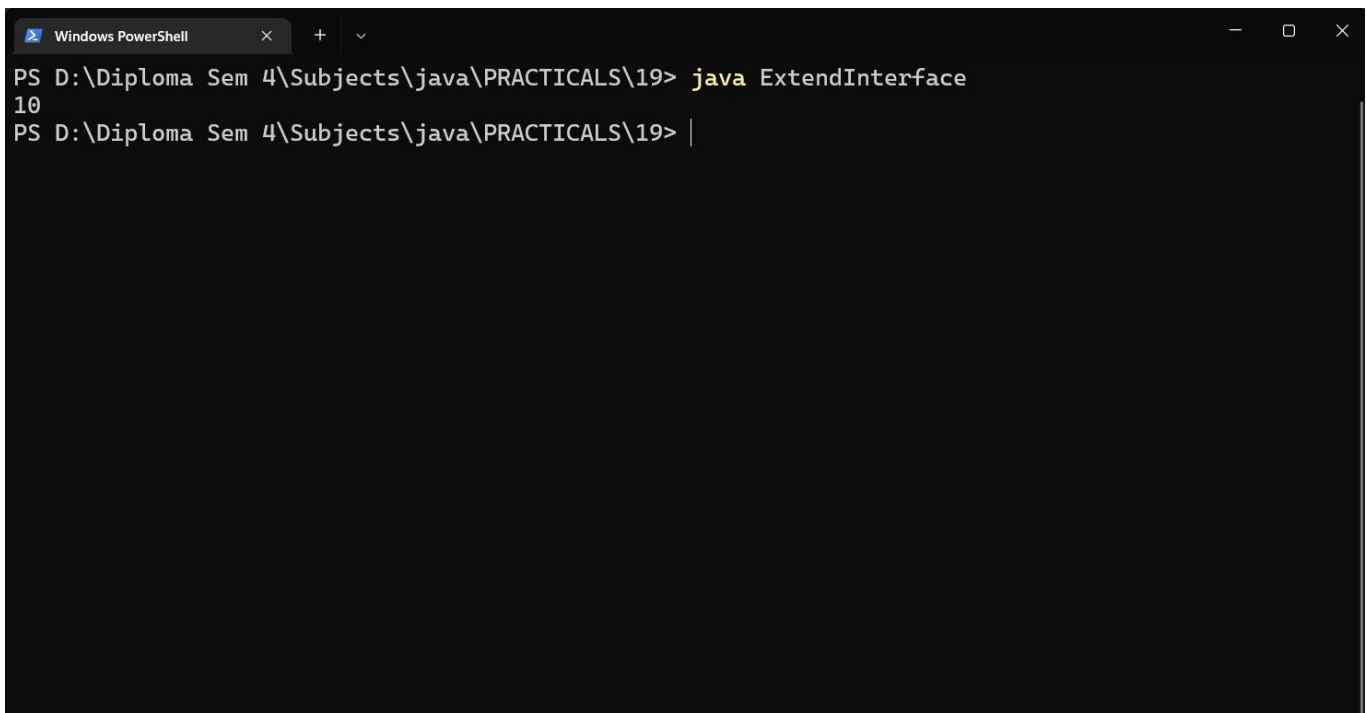


Practical 19 :

```
interface NewShape{
    void draw();
}
interface Circle {
    void getRadius();
    int radius=10;
}
class NewCircle implements Circle,NewShape{
    public void draw() {};
    public void getRadius()
    {
        System.out.println(radius);
    }
}
class ExtendInterface extends NewCircle
{
    public static void main(String args[])
    {
        NewCircle nc=new NewCircle();
        nc.getRadius();
    }
}
```

Output :



```
Windows PowerShell
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\19> java ExtendInterface
10
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\19> |
```

Code :

```
import java.io.FileNotFoundException;import java.util.Scanner;

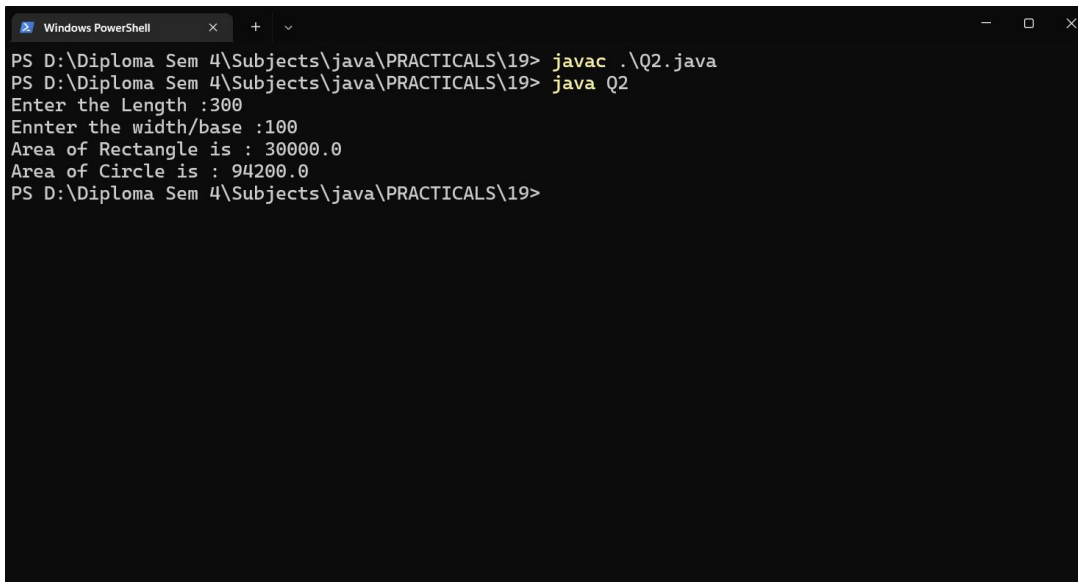
interface Area{
    double area(double a,double b);
}

class Circle implements Area{
    public double area(double a ,double b){
        return 3.14*a*b;
    }
}

class Rectangle implements Area{
    public double area(double a, double b){
        return a*b;
    }
}

public class Q2 {
    public static void main(String[] args) {
        Circle c = new Circle();
        Rectangle r = new Rectangle();
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter the Length :");
        double a = sc.nextInt();
        System.out.print("Ennter the width/base :");
        double b = sc.nextInt();
        System.out.println("Area of Rectangle is : "+r.area(a, b));
        System.out.println("Area of Circle is : "+c.area(a, b));
    }
}
```

Output :

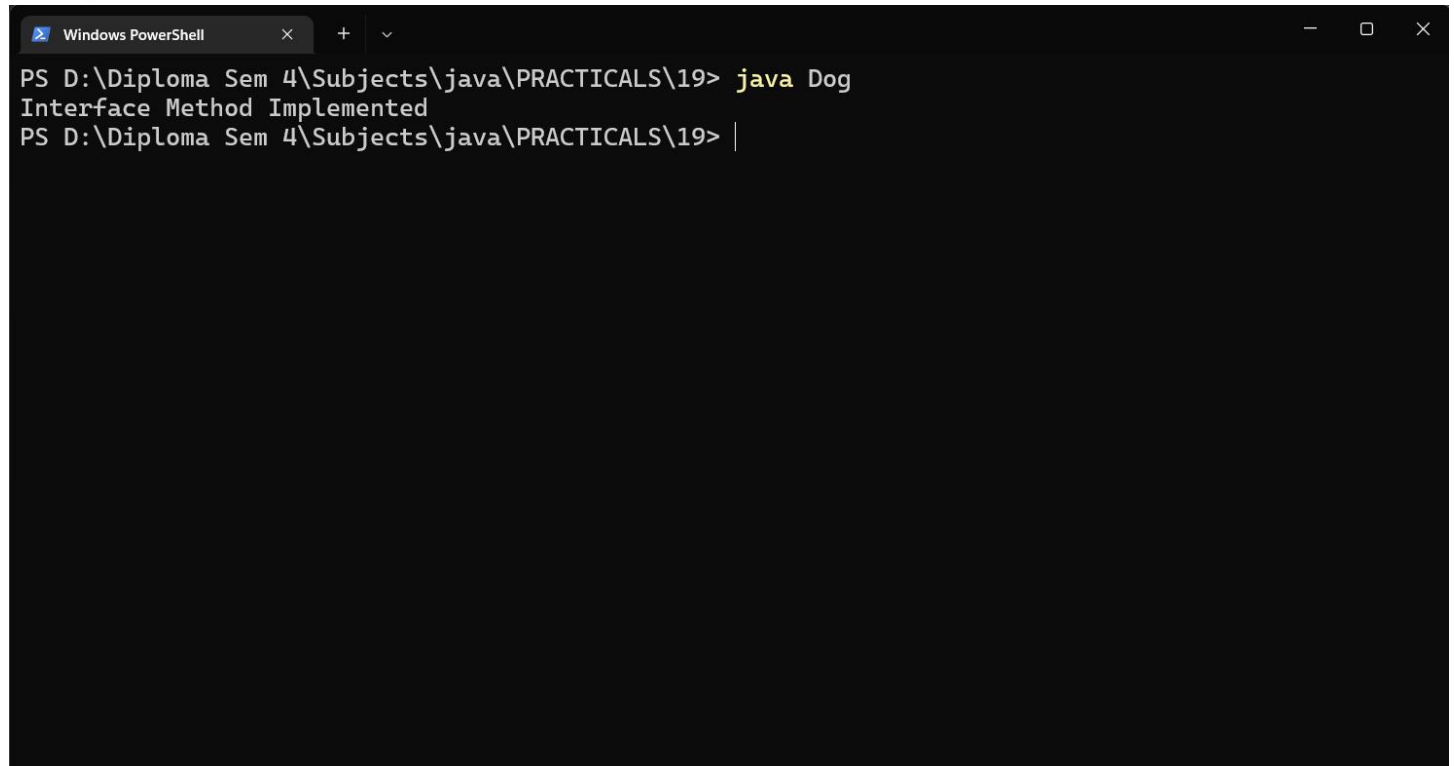


```
Windows PowerShell
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\19> javac .\Q2.java
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\19> java Q2
Enter the Length :300
Ennter the width/base :100
Area of Rectangle is : 30000.0
Area of Circle is : 94200.0
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\19>
```


Code :

```
interface Pet {  
    public void test();  
}  
class Dog implements Pet {  
    public void test() {  
        System.out.println("Interface Method Implemented");  
    }  
  
    public static void main(String args[]){  
        Dog p = new Dog();  
        p.test();  
    }  
}
```

Output :



The screenshot shows a Windows PowerShell window with the title bar 'Windows PowerShell'. The command prompt shows the directory 'D:\Diploma Sem 4\Subjects\java\PRACTICALS\19'. The command 'java Dog' is entered, and the output 'Interface Method Implemented' is displayed. The prompt then shows the command 'java Dog' being entered again, with a cursor at the end of the line.

```
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\19> java Dog  
Interface Method Implemented  
PS D:\Diploma Sem 4\Subjects\java\PRACTICALS\19> |
```