Declare method sphereVolume to calculate and return the volume of the sphere. Use the following statement to calculate the volume: double volume = (4.0 / 3.0) * Math.PI * Math.pow(radius, 3) Write a Java application that prompts the user for the double radius of a sphere, calls sphereVolume to calculate the volume and displays the result.

Program:

```java
import java.util.Scanner;


public class Sphere {


    public static void main(String[] args) {


        Volume();


    }
    public static void Volume(){


        double radius = 0;
        System.out.print("Enter the radius of the sphere: ");
        Scanner in = new Scanner(System.in);
        radius = in.nextDouble();
        double volume = (4.0 / 3.0) * Math.PI * Math.pow(radius, 3);
        System.out.printf("Volume of the sphere is =%f",volume);


    }
}
```

Output:

```
C:\Users\Keerthivasan K\Desktop>java Sphere
Enter the radius of the sphere: 15
Volume of the sphere is =14137.166941
C:\Users\Keerthivasan K\Desktop>
```