

## Static Final Variables

Write a Java program to create a class called Constants with a static final variable 'PI' initialized to 3.14159. Create a method to calculate the area of a circle given its radius, using the 'PI' constant. Demonstrate the method in the main method.

### Sample Solution:

#### Java Code:

##### Constants.java

```
// Define the Constants class
public class Constants {
    // Declare a static final variable PI
    public static final double PI = 3.14159;

    // Method to calculate the area of a circle given its radius
    public static double calculateArea(double radius) {
        return PI * radius * radius;
    }

    // Main method to demonstrate the calculateArea method
    public static void main(String[] args) {
        // Define a radius
        double radius = 5.0;

        // Calculate the area of the circle
        double area = calculateArea(radius);

        // Print the radius and area
        System.out.println("Radius: " + radius);
        System.out.println("Area: " + area);
    }
}
```

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#### Output:

```
Radius: 5.0
Area: 78.53975
```

#### Explanation: