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## Self-Made Assignment - C Language

### Data Types and Header Files in C Language

#### Task:

Write a C program to calculate the area of a circle.

What your program should do:

1. Ask the user to enter the **radius** of the circle (use float type).
2. Use the formula:

$$\text{Area} = \pi * \text{radius} * \text{radius}$$

(Use 3.14 as the value of  $\pi$ ).

3. Display the area using the printf function.

#### Resultant Output:

##### Output

```
Enter the radius of the circle: 5  
Area of the circle = 78.50
```