

QUESTION 1: THE FOLLOWING IS A PROBLEM STATEMENT:

Develop a program that calculates the area of a circle.

The program should prompt the user for the radius.

Assume the user enters a value of 5.0.

Output:

The area of the circle is 78.53981633974483.

Write the program.

Write the program in Python.

Use the following code as a starting point. Do not change the code. Only add code to complete the program.

The code is as follows:

```
def main():  
    radius = float(input("Enter the radius: "))  
    area = calculate_area(radius)  
    print("The area of the circle is", area)
```

The following code is the solution to the problem. Do not change the code.

Write the program in Python.

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