PROGRAM

Environment: Windows 10

Tools/Language: Python

Objective: Python Program to Create a Class and Compute the Area and the Perimeter of the Circle.

Code: -

```python
import math

class circle():

    def __init__(self,radius):

        self.radius=radius

    def area(self):

        return math.pi*(self.radius**2)

    def perimeter(self):

        return 2*math.pi*self.radius


r=int(input("Enter radius of circle: "))

obj=circle(r)

print("Area of circle:",round(obj.area(),2))

print("Perimeter of circle:",round(obj.perimeter(),2))
```

Output: -

```
Enter radius of circle: 5
Area of circle: 78.54
Perimeter of circle: 31.42
>
```