Name: Sheryar Sher

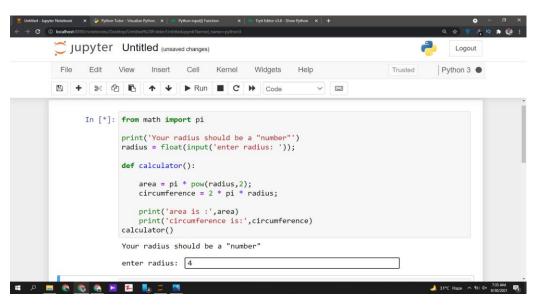
Roll#: 21P-8027

Program: BS(CS)

Lecturer: Maryam Omar

 take radius as an input from user and calculate area and circumference of a circle.

## CODE:

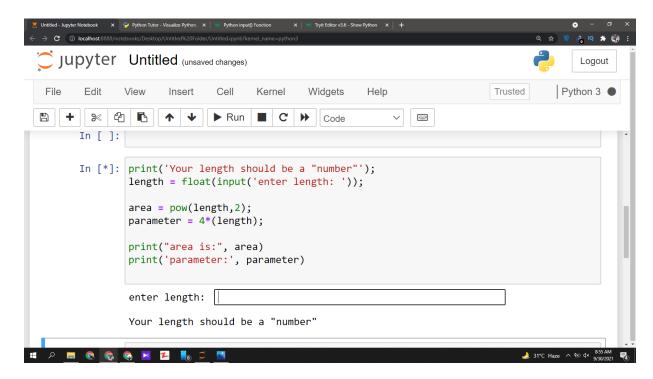


# **OUTPUT:**

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In [1]: from math import pi
              print('Your radius should be a "number"')
               radius = float(input('enter radius: '));
                  area = pi * pow(radius,2);
circumference = 2 * pi * radius;
                  print('area is :',area)
print('circumference is:',circumference)
              calculator()
               Your radius should be a "number"
               enter radius: 4
               area is : 50.26548245743669
               circumference is: 25.132741228718345
```

2. take length of a square as an input from user and calculate its area and parameter.

### CODE:

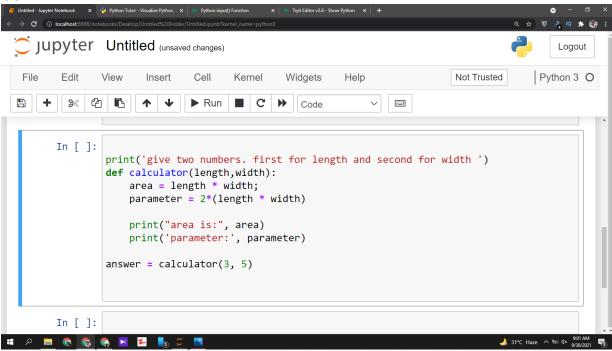


## **OUTOUT:**

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      In [2]: print('Your length should be a "number"');
               length = float(input('enter length: '));
               area = pow(length,2);
               parameter = 4*(length);
               print("area is:", area)
               print('parameter:', parameter)
               Your length should be a "number"
               enter length: 4.5
               area is: 20.25
               parameter: 18.0
```

3. take length and width of a rectangle as an input from user and calculate its area and parameter.

### CODE:



# **OUTPUT:**

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                                                               <del>;;;;;</del>;
               print('give two numbers. first for length and second for width ')
               def calculator(length, width):
                   area = length * width;
                   parameter = 2*(length * width)
                   print("area is:", area)
                   print('parameter:', parameter)
               answer = calculator(3, 5)
               give two numbers. first for length and second for width
               area is: 15
               parameter: 30
```