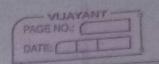
G. H. Raisoni College Of Engineering And Management, Wagholi Pune				
<u>2021- 2022</u>				
Group A :-Assignment no :- 2				
Department	CE [SUMMER 2022 (Online)]			
Term / Section	III/B	Date Of submission		07-10-2021
Subject Name /Code	Python for Data Science / UCSP204			
Roll No.	SCOB77	Name	<u>Pratham Rajkumar pitty</u>	
Registration Number	2020AC0E1100107			

SCOB77 Pratham pitty



Group A - Assignment No 2

Aim:>

input the radius of a circle and output the area (Tr82) and the circumference (2718) of

(b) suppose a, b and c denote the lengths of the sides of a triangle Then the great of the triangle can be calculated using the formula:

Area = JS(5-a)(5-6)(5-C)

where S = a + b + c

From user as length of side s of the tolange and print the area

Theory: 非

MOHA

Called math which executes alist of mathematical Functions. math function / module provides functions to with both basic operations such as addition (+) , substraction (-), multiplication (*) anision (1) and adv. options operations like toly nometak , log a orithmic, exponential Functions. There is a power function also

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Program code

```
#Part A
print("-----")
print("SCOB77_Pratham pitty_Group A Assignment 2")
print("Part A-Circumference of circle")
radius= float(input(" \nEnter radius of circle: "))
area = 3.14*radius**2
circumference = 2*3.14*radius
print("\nArea of circle:",area)
print("circumference of circle=",circumference)
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           In [8]: #Part A
                     print("C00877_Pratham pitty_Group A Assignment 2")
print("
print("Part A-Circumference of circle")
print("
"")
                    SCOB77_Pratham pitty_Group A Assignment 2
                     Part A-Circumference of circle
                     Enter radius of circle: 7
                     Area of circle: 153.86
                     *******************
```

```
#Part B
print("SCOB77_Pratham pitty_Group A Assignment 2")
print(" Part B-Area of Triangle \n")
import math
side1= float(input("Enter length of side 1: "))
side2= float(input("Enter length of side 2: "))
side3= float(input("Enter length of side 3: "))
s = (side1 + side2 + side3)/2
area = math.sqrt(s*(s - side1)*(s - side2)*(s - side3))
print("Area of triangle is ",area)
Jupyter SCOB77_Pratham Pitty_Group A Assignment 2 Last Checkpoint: 17 minutes ago (unsaved changes)
                                                                                           Logout
  File Edit View Insert Cell Kernel Widgets Help
                                                                                  Trusted Python 3 O
  print("
import math
side1= float(input("Enter length of side 1: "))
side2= float(input("Enter length of side 2: "))
side3= float(input("Enter length of side 3: "))
s = (side1 + side2 + side3)/2
area = math.sqrt(s*(s - side1)*(s - side2)*(s - side3))
print("Area of triangle is ",area)
print("\n"")
           SCOB77_Pratham pitty_Group A Assignment 2
            Part B-Area of Triangle
           Enter length of side 1: 3
Enter length of side 2: 3
Enter length of side 3: 3
Area of triangle is 3.897114317029974
```

Conclusion:

Hence conclude that using different operators calculate circumference of circle and area of triangle