

PYTHON ASSIGNMENT (23-06-2020)

By

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1)Write a python to find area of circle using math function

a)import math

r=float(input('enter radius'))

area=math.pi*r*r

print('area of circle os %.2f'%area)

Output:

enter radius 3

area of circle is 28.27

2)Write a python program to find area of regular polygon

a) from math import tan,pi

s=int(input('enter the number of sides of polygon'))

l=float(input('enter the length'))

a=s*(l**2)/(4*tan(pi/s))

print('area of polygon is %.2f'%a)

Output:

enter the number of sides of polygon 4

enter the length 3

area of polygon is 9.00

3)Write a program to generate random numbers between 1 and 1000

a)import random

print(random.randint(1,1000))

Output:

417

4)Write a python program by using math module to find

- Sin 60
- cos(pi)
- Tan90

- 5^8
- Square root 400
- Floor and ceiling value of 3.56

a)import math

print('sin(60)',math.sin(60))

print('cos(pi)',math.cos(math.pi))

print('tan(90)',math.tan(90))

print('5^8',5^8)

print('square root 400',math.sqrt(400))

print('floor and ceiling value of 3.56 is',math.floor(3.56),math.ceil(3.56))

Output:

sin(60) -0.3048106211022167

cos(pi) -1.0

tan(90) -1.995200412208242

5^8 13

Square root 400 20.0

floor and ceiling value of 3.56 is 3 4