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UNIVERSITY OF INFORMATION TECHNOLOGY & SCIENCES

Assignment
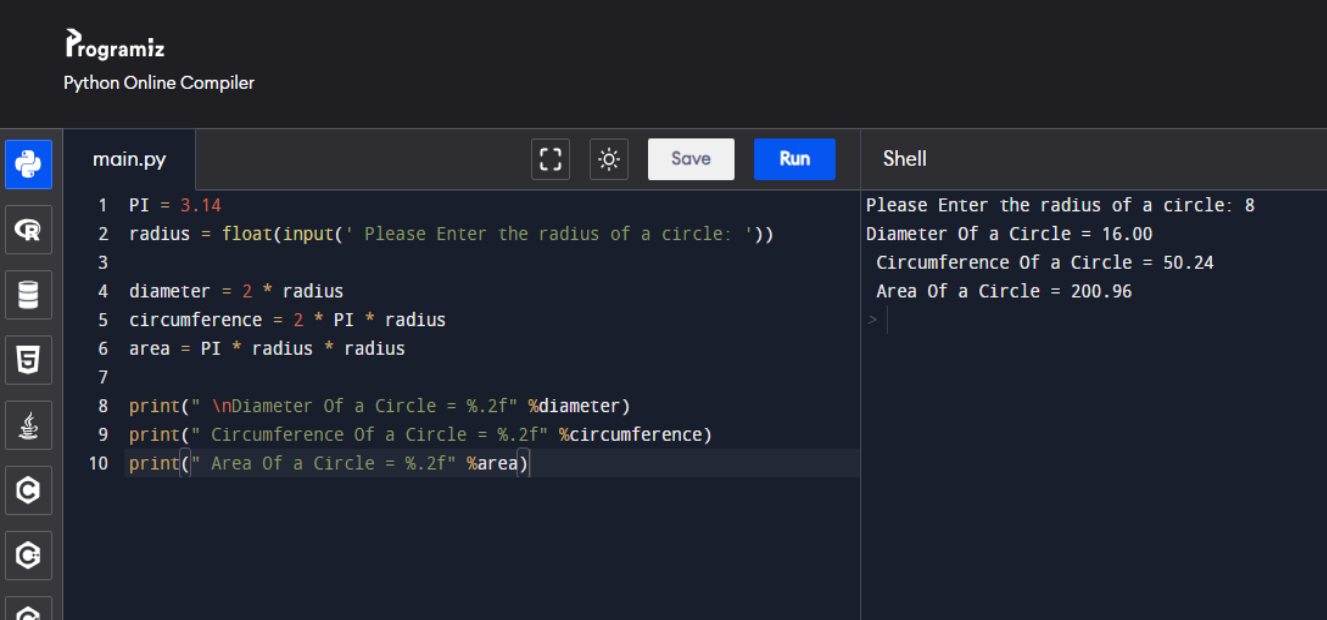
Course Code- CSE 312
Course Title-Artificial Intelligence Lab.

Topic name: Python basic problem solving.

Submitted by-	Submitted to-
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Q.1:Write a python program to enter the radius of a circle and find its diameter , circumference and area.

```
main.py                                    Save   Run     Shell

1  PI = 3.14                                        Please Enter the radius of a circle: 8
2  radius = float(input(' Please Enter the radius of a circle: '))   Diameter Of a Circle = 16.00
3                                                    Circumference Of a Circle = 50.24
4  diameter = 2 * radius                             Area Of a Circle = 200.96
5  circumference = 2 * PI * radius                 >
6  area = PI * radius * radius
7
8  print(" \nDiameter Of a Circle = %.2f" %diameter)
9  print(" Circumference Of a Circle = %.2f" %circumference)
10 print(" Area Of a Circle = %.2f" %area)
```

Q.2:Write a python program to enter marks of five subjects and Calculate total,average and percentage.

```
main.py                                    Save   Run     Shell

1  x=5                                               27
2  y=6                                               27
3  z=3                                               5.4
4  q=4                                             >
5  r=9
6  sum=(x+y+z+q+r)
7  print(sum)
8  average =sum
9  print(average)
10 percentage = ( average/500) * 100.
11 print(percentage)
```