



# UITs

UNIVERSITY OF INFORMATION TECHNOLOGY & SCIENCES

## Assignment

**Course Code- CSE 312**

**Course Title-Artificial Intelligence Lab.**

**Topic name:Python basic problem solving.**

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

```
In [2]: pi = 3.14
radius = float(input(' please enter the radius of a circle: '))

diameter = 2 * radius
circumference = 2* pi *radius
area = pi * radius * radius

print("\nDiameter of a circle = %.2f" %diameter)
print(" circumference of a circle = %.2f" %circumference)
print(" area of a circle = %.2f" %area)

please enter the radius of a circle: 6

Diameter of a circle = 12.00
circumference of a circle = 37.68
area of a circle = 113.04
```

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

```
In [5]: english = float(input("Please enter English Marks: "))
math = float(input("Please enter Math score: "))
computers = float(input("Please enter Computer Marks: "))
physics = float(input("Please enter Physics Marks: "))
chemistry = float(input("Please enter Chemistry Marks: "))

total = english + math + computers + physics + chemistry
average = total / 5
percentage = (total / 500) * 100

print("\nTotal Marks = %.2f" %total)
print("Average Marks = %.2f" %average)
print("Marks Percentage = %.2f" %percentage)

Please enter English Marks: 50
Please enter Math score: 60
Please enter Computer Marks: 100
Please enter Physics Marks: 70
Please enter Chemistry Marks: 70

Total Marks = 350.00
Average Marks = 70.00
Marks Percentage = 70.00
```