CourseName: Advance Python Programming **Course code:** 22CSH-623

Experiment-2

A. To Find the area of the Circle.

Aim: Write a python program to find the area of a circle.

Tools/Software Required: Pycharm IDE, Python

Description:

The area of a circle is the space occupied by the circle in a two-dimensional plane. Alternatively, the space occupied within the boundary/circumference of a circle is called the area of the circle.

The formula for the area of a circle is A = πr2, where r is the radius of the circle.

Pseudo code/Algorithms/Steps:

1. Start.
2. INTEGER AREA, RADIUS.
3. PRINT "Enter the radius of circle - "
4. AREA=3.14*RADIUS*RADIUS.
5. PRINT "Area of CIRCLE = " PRINT AREA.
6. Exit.

Implementation:

```
radius = float(input("Enter the radius of Circle: "))
area = 3.14 * radius * radius
print("Area of Circle is: ", area)
```

Output:

```
VEER@LAPTOP-STENK5RO MINGW64 ~/Documents/Chandigarh University/Python Lab/Practical/Practical-2
$ python circle.py
Enter the radius of Circle: 7
Area of Circle is:  153.86
```

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B. ASCII value of a Character.

Aim: Write a Python program to print the ASCII value of a character.

Tools/Software Required: Pycharm IDE, Python

Description:

ASCII, abbreviated from *American Standard Code for Information Interchange*, is a character encoding standard for electronic communication. ASCII codes represent text in computers, telecommunications equipment, and other devices.

In this experiment, we will write a program to find the ASCII value of a character.

Steps:

1. Input the given character.
2. Find the ASCII value of the character, using ord() function.
3. Print the ASCII value of the character.

Implementation:

```
VEER@LAPTOP-STENK5RO MINGW64 ~/Documents/Chandigarh University/Python Lab/Practical/Practical-2
$ python ASCII.py
Enter a character: a
The ASCII value of 'a' is 97
```