



## Worksheet 1.3

**Student Name:**

**UID**

**Branch: CSE**

**Section/Group :**

**Semester: 4<sup>rd</sup>**

**Date of Performance:**

**Subject Name : Python Lab**

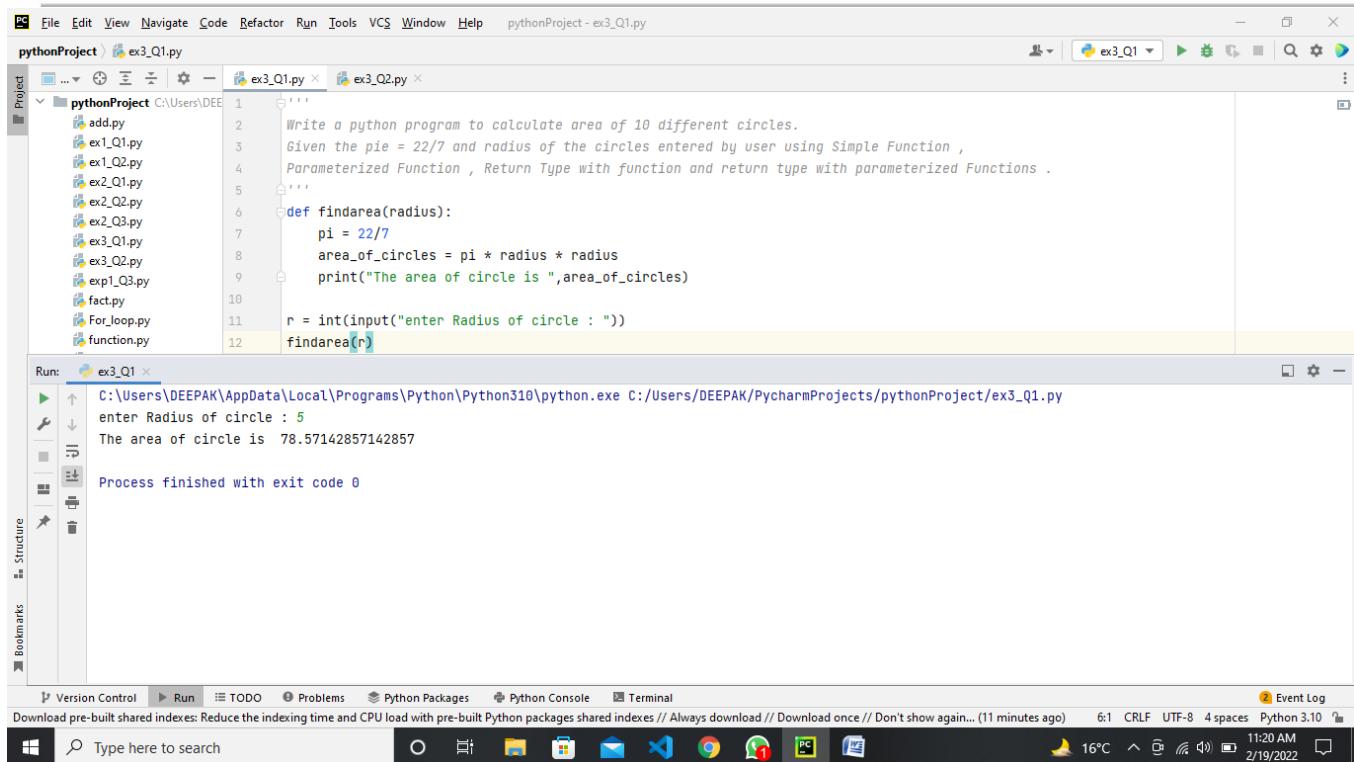
**Q1. Write a python program to calculate area of 10 different circles. Given the pie = 22/7 and radius of the circles entered by user using Simple Function ,Parameterized Function , Return Type with function and return type with parameterized Functions .**

**Code:**

```
def findarea(radius):
    pi = 22/7
    area_of_circles = pi * radius * radius
    print("The area of circle is ",area_of_circles)

r = int(input("enter Radius of circle : "))
findarea(r)
```

**Output:=**



```

File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject - ex3_Q1.py
pythonProject ex3_Q1.py ex3_Q2.py
Project ... ex3_Q1.py ex3_Q2.py
pythonProject C:\Users\DEEPAK
add.py ex1_Q1.py ex1_Q2.py ex2_Q1.py ex2_Q2.py ex2_Q3.py ex3_Q1.py ex3_Q2.py exp1_Q3.py fact.py For_loop.py function.py
1 """
2     Write a python program to calculate area of 10 different circles.
3     Given the pie = 22/7 and radius of the circles entered by user using Simple Function ,
4     Parameterized Function , Return Type with function and return type with parameterized Functions .
5 """
6 def findarea(radius):
7     pi = 22/7
8     area_of_circles = pi * radius * radius
9     print("The area of circle is ",area_of_circles)
10
11 r = int(input("enter Radius of circle : "))
12 findarea(r)

Run: ex3_Q1
C:/Users/DEEPAK/AppData/Local/Programs/Python/Python310/python.exe C:/Users/DEEPAK/PycharmProjects/pythonProject/ex3_Q1.py
enter Radius of circle : 5
The area of circle is  78.57142857142857

Process finished with exit code 0

```

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**Q2 Write a python program to print Multiplication tables from 2 to 20 whether table values entered by user using Simple Function ,Parameterized Function , Return Type with function and return type with parameterized Functions**

**Code:**

```

def print_table(num):
    """ This function prints multiplication table of a
    given number"""
    for i in range(2,21):
        print(num,' x ', i, ' = ',num*i)
# end of function table
# input a number
n = int(input("Please Enter a number to print its
multiplication table:"))
print_table(n)

```

## Output:-



```
PC File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject - ex3_Q2.py
pythonProject ex3_Q1.py ex3_Q2.py
Run: ex3_Q2
C:/Users/DEEPAK/AppData/Local/Programs/Python/Python310/python.exe C:/Users/DEEPAK/PycharmProjects/pythonProject/ex3_Q2.py
Please Enter a number to print its multiplication table:6
6 x 2 = 12
6 x 3 = 18
6 x 4 = 24
6 x 5 = 30
6 x 6 = 36
6 x 7 = 42
6 x 8 = 48
6 x 9 = 54
6 x 10 = 60
6 x 11 = 66
6 x 12 = 72
6 x 13 = 78
6 x 14 = 84
6 x 15 = 90
6 x 16 = 96
6 x 17 = 102
6 x 18 = 108
6 x 19 = 114
6 x 20 = 120
Process finished with exit code 0
```

Project Structure Bookmarks

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