

Graded Lab 1.**CSF344 -Machine Learning -Practical****Q1. Find area of a circle using user input for the radius.****#code**

```
import math as M
print("Name :Tushar Kumar \n")
print("Sap Id : 1000014268 \n")
radius = float(input("Enter the radius of the circle: ")) area_circle =
M.pi*radius*radius
print("Area of the circle is :\" , area_circle)
```

Output

```
Name :Tushar Kumar

Sap Id : 1000014268

Enter the radius of the circle: 8
Area of the circle is : 201.06192982974676
PS C:\Users\KIYO> █
```

Q2. Create a program to print the following pattern.

```
*  
  
* *  
  
* * *  
  
* * * *  
  
* * * * *
```

Code:

```
n=5  
  
import numpy as np  
  
print("Name : Tushar Kumar\n")  
print("Sap Id : 1000014268\n")  
for i in range (1, n+1, 1):  
    print((n-i) *' '+ i *' * ')
```

Output

```
PS C:\Users\KIYO> python -u "c:\Users\KIYO\Desktop\tempCodeRunnerFile.py"  
Name : Tushar Kumar  
  
Sap Id : 1000014268  
  
*  
* *  
* * *  
* * * *  
* * * * *  
PS C:\Users\KIYO> █
```

