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Class: TE-IT-A

**Internet of Things ASSIGNMENT 03**

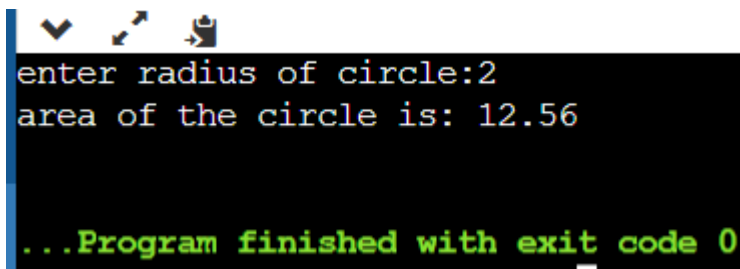
**Sem – V Sept-Dec 2021**

**Date of Assignment: 22<sup>nd</sup> November 2021**

**Date of Submission: 4<sup>th</sup> December 2021**

1. Write a Python program which accepts the radius of a circle from the user and compute the area.

```
1 pi=3.14
2 r=float(input("enter radius of circle:"))
3 print("area of the circle is:",pi*r*r)
```



```
enter radius of circle:2
area of the circle is: 12.56
...Program finished with exit code 0
```

2. Write a Python program to calculate the sum of three given numbers, if the values are equal then return three times of their sum.

```
1 def sum_three(x,y,z):
2     sum=x+y+z
3
4     if x==y==z:
5         sum=sum*3
6     return sum
7
8 print(sum_three(1,2,3))
9 print(sum_three(4,4,4))
```

```
6
36
...Program finished with exit code 0
```

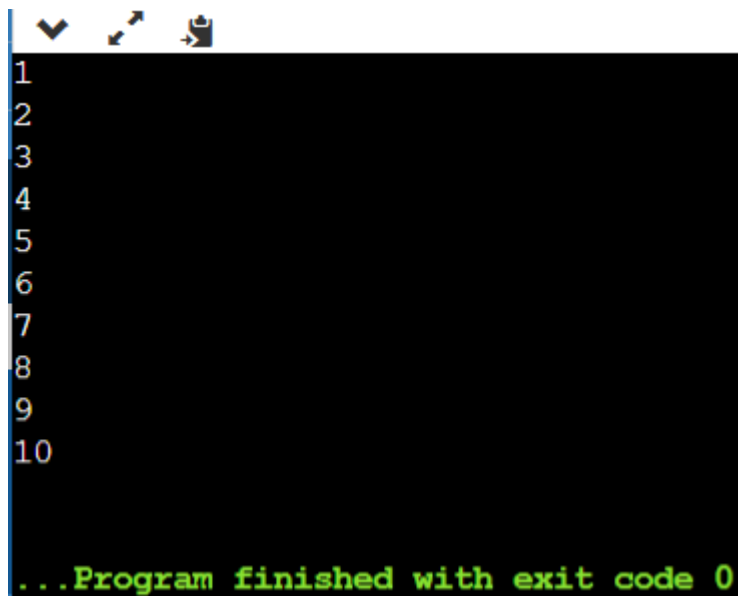
3. Write a program to print multiplication table of a given number

```
1 n=int(input("enter the number:"))
2 print("multiplication table of",n)
3 for i in range(1,11):
4     print(n,"x",i,"=",n*i)
```

```
enter the number:23
multiplication table of 23
23 x 1 = 23
23 x 2 = 46
23 x 3 = 69
23 x 4 = 92
23 x 5 = 115
23 x 6 = 138
23 x 7 = 161
23 x 8 = 184
23 x 9 = 207
23 x 10 = 230
...Program finished with exit code 0
```

4. Write a program to Print First 10 natural numbers using while loop

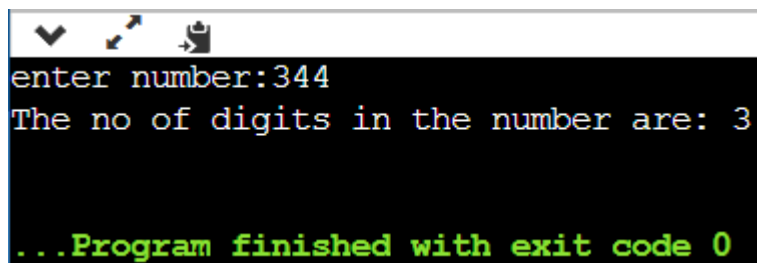
```
1 i=1
2 while(i<=10):
3     print(i)
4     i=i+1
```



```
1
2
3
4
5
6
7
8
9
10
...Program finished with exit code 0
```

5. Write a program to count the total number of digits in a number

```
1 n=int(input("enter number:"))
2 count=0
3 while(n>0):
4     count=count+1
5     n=n//10
6 print("The no of digits in the number are:",count)
```



```
enter number:344
The no of digits in the number are: 3
...Program finished with exit code 0
```