FACULTY OF TECHNOLOGY



Information & Communication Technology

Subject: PWP -01CT1309

Lab 4

Name: Shashank Bagda Date: 13 / 07 / 22

Enrollment No: 92100133020

CO1: To write, test, and debug simple Python programs

CO2: To implement Python programs with conditional, loops and functions

Python Code and Output:

```
d1={'Mango':20, 'AC':30}
print(d1)

d2={'Watermelon':10, 'Banana':5}
d1.update(d2)
print(d1)

d1['Apple']=100
d1['Orange']=200
print(d1)

d1.pop('Apple')
print(d1)

C> {'Mango': 20, 'AC': 30}
{'Mango': 20, 'AC': 30, 'Watermelon': 10, 'Banana': 5}
{'Mango': 20, 'AC': 30, 'Watermelon': 10, 'Banana': 5, 'Apple': 100, 'Orange': 200}
{'Mango': 20, 'AC': 30, 'Watermelon': 10, 'Banana': 5, 'Orange': 200}
```





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```
> s1.add("Hello")
print(s1)
s1.pop()
print(s1)
s1.remove("Shashank")
print(s1)
s1.update(["World"])
print(s1)

C> {5.6, 10, (8+1j), 'abc', 'Shashank', 'Hello'}
{10, (8+1j), 'abc', 'Hello'}
{10, (8+1j), 'abc', 'Hello'}
{10, (8+1j), 'abc', 'World', 'Hello'}
```





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```
0
   i=1
    while i <=10:
      print(i)
     i = i+1
    n=4
    i=1
    while i<=10:
      print(n,"X",i,"=",i*n)
      i = i+1
□ 1
    6
    8
    10
    4 X 1 = 4
    4 X 2 = 8
    4 X 3 = 12
    4 X 4 = 16
    4 X 5 = 20
    4 X 6 = 24
    4 X 7 = 28
    4 X 8 = 32
    4 X 9 = 36
    4 X 10 = 40
```





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```
[9] n=15
    i = 2
    j=0
    while i <= n/2:
      if (n \% i) == 0:
        j==0
      break
      i = i+1
    if j==0:
      print(n,"is a prime number")
    else:
      print("is not a prime number")

    □ 15 is a prime number

    n=5
    f=1
    while n>=1:
     f = f * n
     n = n - 1
    print("factorial is",f)

    factorial is 120
```