Lab 6

Name: Shashank Bagda   **Date:20/07/2022**

Enrollment No: 92100133020

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

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

Task1: Convert the temperature from Celsius to Fahrenheit.

Python Code:

```
def temp_Con(temp):
return temp*1.8+32
temp = float(input("Enter temperature:"))
F = temp_Con(temp)
print(F)
```

Output:

Enter temperature:25.5

77.9

Task2: Perform a program using lambda function.

Python Code:

```
x= lambda a: a**2 #power
print(x(5))
y= lambda t: t*1.8+32
print(y(25.5))
```

Output:

```
25
77.9
```

Task3: Perform temperature conversion.

Python Code:

```
def temp_Con(temp):
return temp*1.8+32
temp = float(input("Enter temperature in Celsius:"))
if(temp<0):
 x=temp*(-1)
 print("Positive number is:",x,"C")
 F = temp_Con(x)
 print("Temperature after conversion:",F,"F")
else:
 F = temp_Con(temp)
 print("Temperature after conversion:",F,"F")
```

Output:

```
Enter temperature in Celsius:-25.5
Positive number is: 25.5 C
Temperature after conversion: 77.9 F
```

Task4: Perform object oriented programming in python.

Python Code:

```
class Phone:
def makeCall(self):
 print("Accessed the call.")
def playgame(self):
 print("Mario")
```

```
p1=Phone()
p1.makeCall()
p1.playgame()
class Tv:
 def operate_Tv(self):
 print("Operate")
p2=Tv()
p2.operate_Tv()
```

Output:

Accessed the call.

Mario

Operate