Assignment -2

Python Programming

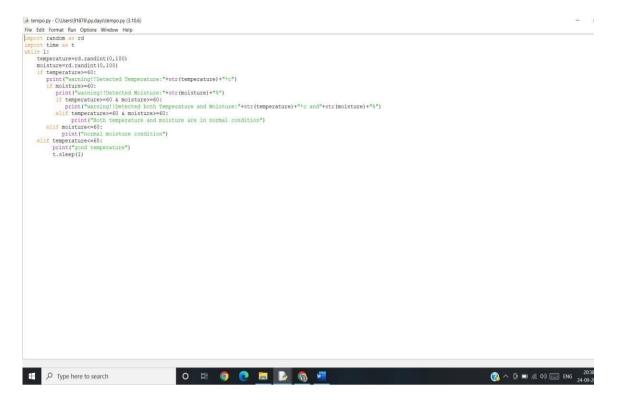
| Assignment Date | 24September 2022 |
|---------------------|------------------|
| Student Name | S.Divyabharathi |
| Student Roll Number | MECR19EC021 |
| Maximum Marks | 2 Mark |

Question-1:

Build a python code, Assume u get Temperature and Humidity values (Generated with Random Function to a Variable) and write a condition to continuously detect alarm in case of high temperature.

Solution:

```
import random as rd
import time as t
while 1:
  temperature=rd.randint(0,100)
  moisture=rd.randint(0,100)
  if temperature>=60:
   print("warning!!Detected Temperature:"+str(temperature)+"*c")
   if moisture>=60:
     print("warning!!Detected Moisture:"+str(moisture)+"%")
     if temperature>=60 & moisture>=60:
      print("warning!!Detected both Temperature and Moisture:"+str(temperature)+"*c
and"+str(moisture)+"%")
     elif temperature>=60 & moisture>=60:
        print("Both temperature and moisture are in normal condition")
   elif moisture<=60:
      print("normal moisture condition")
  elif temperature<=60:
    print("good temperature")
    t.sleep(1)
```



Output

