Assignment -1
Python Program

Assignment Date	21 September 2022
Student Name	Mr. Madhan babu S
Student Roll Number	621319205017
Maximum Marks	2 Marks

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.

Program:

```python
import random
def temp(t):
    if(t>36 and t<80):
        print("alaram ring high")
    elif(t>-7 and t<36):
        print(t)
    elif(t<-5):
        print("alaram ring low")
    print(t)

def hum(h):
    if(h>36 and h<80):
        print("alaram ring high")
    elif(h>-7 and h<36):
        print(t)
    elif(h<-5):
        print("alaram ring low")
    print(h)

i=0
while i<5:
    h=random.randint(0,100)
    t=random.randint(-40,50)
    temp(t)
    hum(h)
    i+=1
```

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```python
17              print(t)
18          elif(t<-5):
19              print("alaram ring low")
20          print(t)
21
22      def hum(h):
23          if(h>36 and h<80):
24              print("alaram ring high")
25          elif(h>-7 and h<36):
26              print(t)
27          elif(h<-5):
28              print("alaram ring low")
29          print(h)
30
31      i=0
32      while i<5:
33          h=random.randint(0,100)
34          t=random.randint(-40,50)
35          temp(t)
36          hum(h)
37          i+=1
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   JUPYTER

```
PS D:\python>  & 'C:\Users\welcome\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\welcome\.vscode\exte
nsions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter/../..\debugpy\launcher' '63346' '--' 'd:\pyt
34
alaram ring low
-20
-20
2
5
5
97
alaram ring low
-36
-36
1
```

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