

Assignment -2

TEAM ID :
PNT2022TMID33
748

Assignment Date	03 October 2022
Student Name	PEMALATHA S
Student Roll Number	922519205076
Maximum Marks	2 Marks

Question-1:

Build a python code, assume u get temperature and humidity values (generated with randomfunction to a variable) and write a condition to continuously detect alarm in case of high temperature.

Solution:

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temperature and humidity of ",a,b,"%","alarm is on")
    elif(a<35 and b>60):
        print("normal temperature and humidity of ",a,b,"%","alarm is off")
    break
```

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temperature and humidity of",a,b,"%","alarm is on")
    elif(a<35 and b>60):
        print("normal temperature and humidity of ",a,b,"%","alarm is off")
    break
```

```
PS C:\Users\prem kumar\OneDrive\Desktop\java\.vscode> & 'C:\User
thon-2022.14.0\pythonFiles\lib\python\debugpy\adapter/../../debug
high temperature and humidity of 50 90 % alarm is on
high temperature and humidity of 40 63 % alarm is on
high temperature and humidity of 36 67 % alarm is on
normal temperature and humidity of 27 77 % alarm is off
PS C:\Users\prem kumar\OneDrive\Desktop\java\.vscode> |
```