

Assignment -2
Python Programming

Assignment Date	25 September 2022
Student Name	Varunraj k
Student Roll Number	621319106317
Maximum Marks	2 Marks

Question-1:

Write a python code assume get temperature and humidity values(generated with random function a condition to continuously detect alarm in case of high temperature.

Solution:

```
import random

temp=int(input("enter the temperature value:"))
humidity=int(input("enter the humidity value:"))

for i in range(0,500):
    y=random.randrange(800)
    if(temp>y):
        print("detect alarm!!")
    else:
        print("no detect")
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\PRAVEENA\Desktop\python\temp.py =====
enter the temperature value:300
enter the humidity value:150
detect alarm!!
detect alarm!!
no detect
detect alarm!!
no detect
detect alarm!!
no detect
detect alarm!!
no detect
detect alarm!!
detect alarm!!
detect alarm!!
no detect
detect alarm!!
detect alarm!!
detect alarm!!
detect alarm!!
no detect
no detect
no detect
detect alarm!!
detect alarm!!
detect alarm!!
no detect
detect alarm!!
detect alarm!!
detect alarm!!
detect alarm!!
no detect
no detect
detect alarm!!
no detect
detect alarm!!
detect alarm!!
```

Ln: 507 Col: 0