

ASSIGNMENT

Question : 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.

CODE:

```
import random

while(1):

    temp1=random.randint(10,99)

    temp2=random.randint(10,99)

    if(temp1>35 and temp2>60):

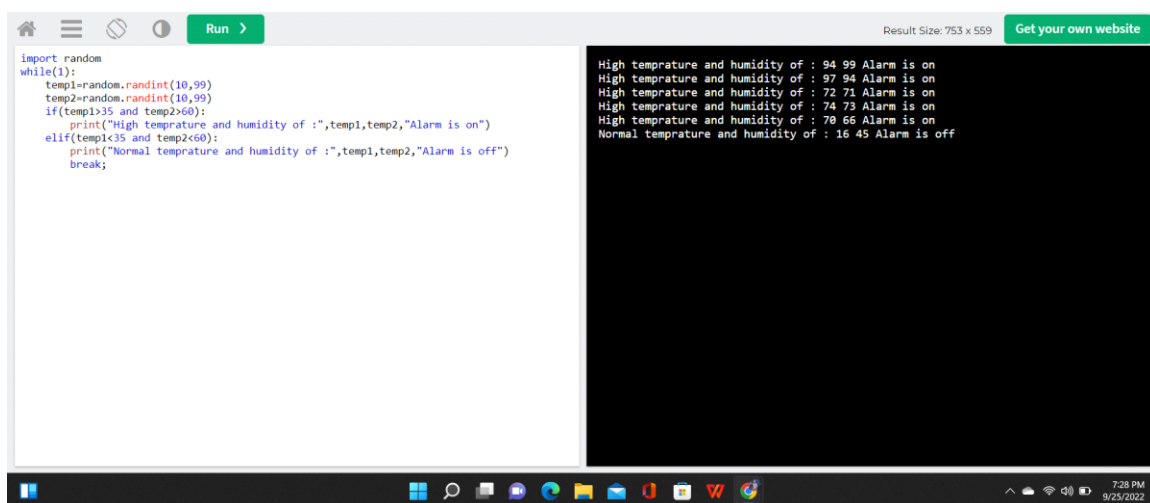
        print("High temprature and humidity of :",temp1,temp2,"Alarm is on")

    elif(temp1<35 and temp2<60):

        print("Normal temprature and humidity of :",temp1,temp2,"Alarm is off")

    break
```

OUTPUT:

The image shows a screenshot of a Python code editor interface. On the left, the code is written in a light blue font on a white background. The code is a while loop that generates random temperature and humidity values and prints an alarm status based on those values. On the right, the output of the code is displayed in a black terminal window with white text. The output shows several iterations where the alarm is on or off based on the generated values. The interface includes a 'Run' button at the top left and a 'Get your own website' button at the top right. The bottom of the image shows a Windows taskbar with various icons and the system clock indicating 7:28 PM on 9/23/2022.

```
import random
while(1):
    temp1=random.randint(10,99)
    temp2=random.randint(10,99)
    if(temp1>35 and temp2>60):
        print("High temprature and humidity of :",temp1,temp2,"Alarm is on")
    elif(temp1<35 and temp2<60):
        print("Normal temprature and humidity of :",temp1,temp2,"Alarm is off")
    break
```

```
High temprature and humidity of : 94 99 Alarm is on
High temprature and humidity of : 97 94 Alarm is on
High temprature and humidity of : 72 71 Alarm is on
High temprature and humidity of : 74 73 Alarm is on
High temprature and humidity of : 70 66 Alarm is on
Normal temprature and humidity of : 16 45 Alarm is off
```