

ASSIGNMENT 2

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| Project Name | SmartFarmer – IoT Enabled Smart Farming Application |
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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(True):

    vari_1=random.randint(10,150)

    vari_2=random.randint(10,150)

    if(vari_1>40 and vari_2>80):

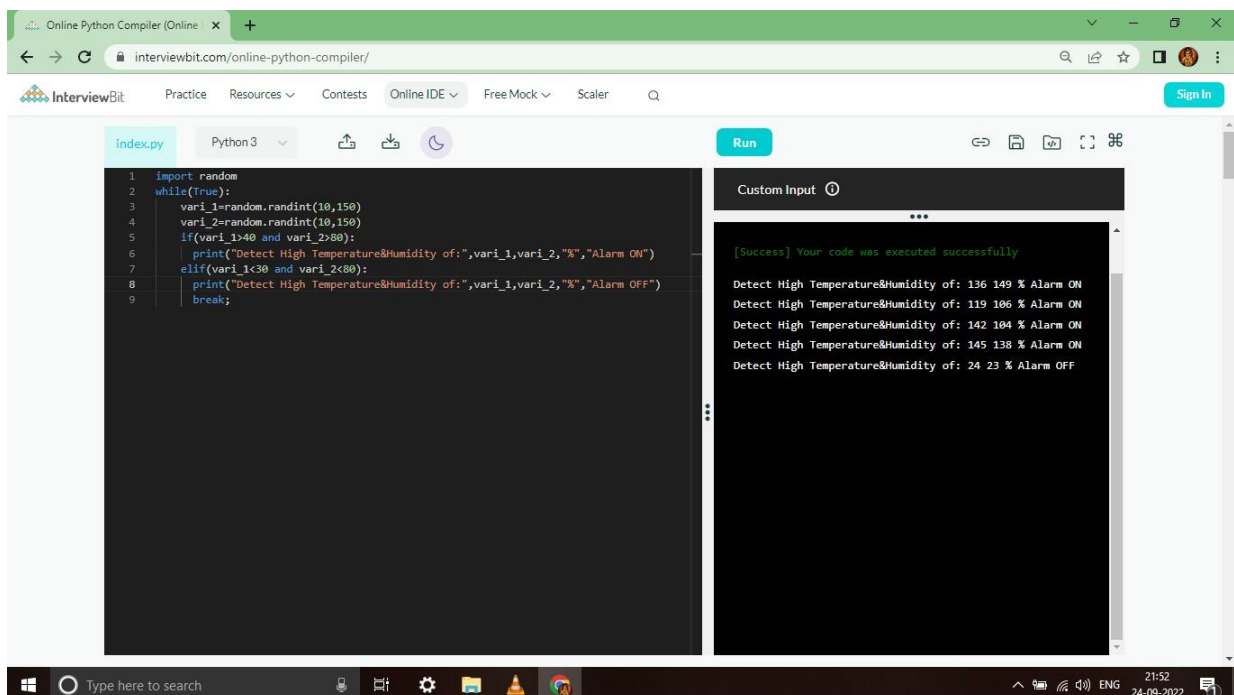
        print("Detect High Temperature&Humidity of:",vari_1,vari_2,"%","Alarm ON")

    elif(vari_1<30 and vari_2<80):

        print("Detect High Temperature&Humidity of:",vari_1,vari_2,"%","Alarm OFF")

    break;
```

OUTPUT



The screenshot shows a web browser window with the URL interviewbit.com/online-python-compiler/. The page displays the Python code from the previous block in a dark-themed editor. To the right of the editor is a 'Run' button and a 'Custom Input' field. Below the 'Run' button, the output of the code is shown in a black box with green text. The output indicates that the code was executed successfully and shows five lines of output, each representing a random temperature and humidity reading with an alarm status.

```
1 import random
2 while(True):
3     vari_1=random.randint(10,150)
4     vari_2=random.randint(10,150)
5     if(vari_1>40 and vari_2>80):
6         print("Detect High Temperature&Humidity of:",vari_1,vari_2,"%","Alarm ON")
7     elif(vari_1<30 and vari_2<80):
8         print("Detect High Temperature&Humidity of:",vari_1,vari_2,"%","Alarm OFF")
9     break;
```

Custom Input

[Success] Your code was executed successfully

Detect High Temperature&Humidity of: 136 149 % Alarm ON
Detect High Temperature&Humidity of: 119 106 % Alarm ON
Detect High Temperature&Humidity of: 142 104 % Alarm ON
Detect High Temperature&Humidity of: 145 138 % Alarm ON
Detect High Temperature&Humidity of: 24 23 % Alarm OFF