

## 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):

    temp=random.randint(5,100)

    hum=random.randint(5,100)

    if(temp>15 and hum>80):

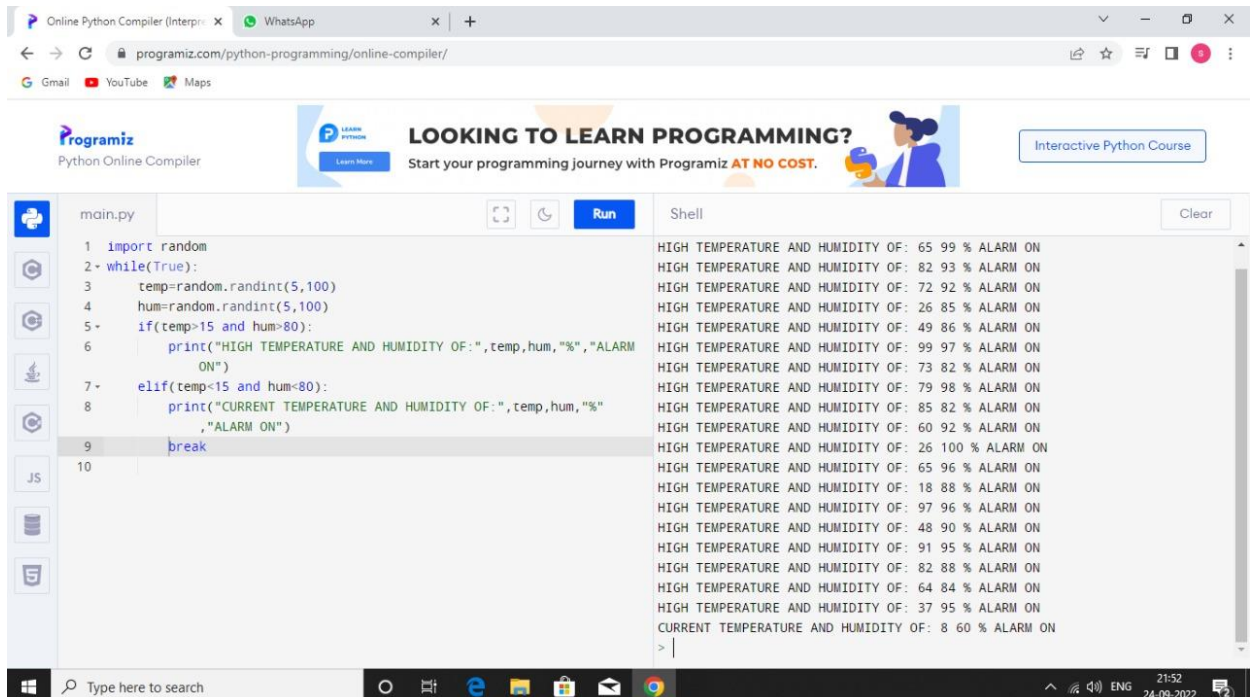
        print("HIGH TEMPERATURE AND HUMIDITY OF:",temp,hum,"%","ALARM ON")

    elif(temp<15 and hum<80):

        print("CURRENT TEMPERATURE AND HUMIDITY OF:",temp,hum,"%","ALARM ON")

    break
```

### OUTPUT



The screenshot shows the Programiz Online Python Compiler interface. The code is as follows:

```
1 import random
2 while(True):
3     temp=random.randint(5,100)
4     hum=random.randint(5,100)
5     if(temp>15 and hum>80):
6         print("HIGH TEMPERATURE AND HUMIDITY OF:",temp,hum,"%","ALARM ON")
7     elif(temp<15 and hum<80):
8         print("CURRENT TEMPERATURE AND HUMIDITY OF:",temp,hum,"%","ALARM ON")
9     break
```

The output in the Shell window shows the following results:

```
HIGH TEMPERATURE AND HUMIDITY OF: 65 99 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 82 93 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 72 92 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 26 85 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 49 86 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 99 97 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 73 82 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 79 98 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 85 82 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 60 92 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 26 100 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 65 96 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 18 88 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 97 96 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 48 90 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 91 95 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 82 88 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 64 84 % ALARM ON
HIGH TEMPERATURE AND HUMIDITY OF: 37 95 % ALARM ON
CURRENT TEMPERATURE AND HUMIDITY OF: 8 60 % ALARM ON
```