

## 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):

    var_temp = random.randint(10,100)

    var_humidity = random.randint(10,100)

    if var_temp>35:

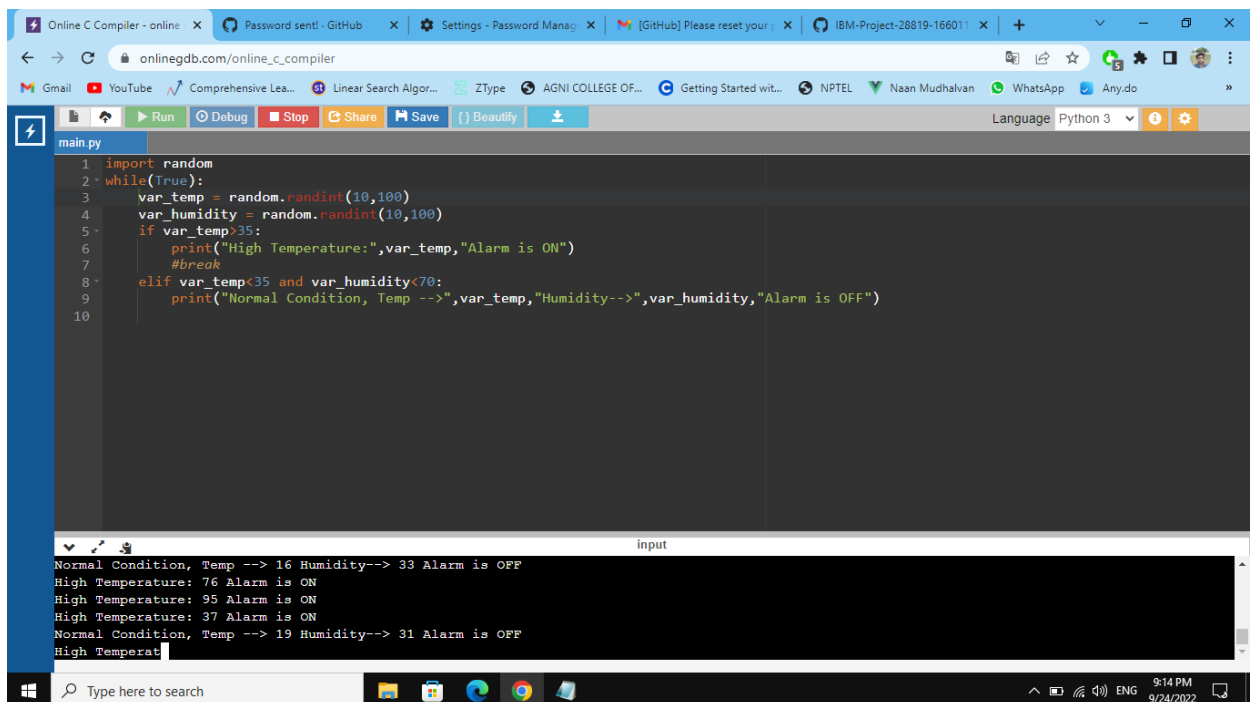
        print("High Temperature:",var_temp,"Alarm is ON")

        #break

    elif var_temp<35 and var_humidity<70:

        print("Normal Condition, Temp -->",var_temp,"Humidity-->",var_humidity,"Alarm is OFF")
```

### OUTPUT



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The code editor contains the following Python code:

```
1 import random
2 while(True):
3     var_temp = random.randint(10,100)
4     var_humidity = random.randint(10,100)
5     if var_temp>35:
6         print("High Temperature:",var_temp,"Alarm is ON")
7         #break
8     elif var_temp<35 and var_humidity<70:
9         print("Normal Condition, Temp -->",var_temp,"Humidity-->",var_humidity,"Alarm is OFF")
10
```

The output window shows the following results:

```
Normal Condition, Temp --> 16 Humidity--> 33 Alarm is OFF
High Temperature: 76 Alarm is ON
High Temperature: 95 Alarm is ON
High Temperature: 37 Alarm is ON
Normal Condition, Temp --> 19 Humidity--> 31 Alarm is OFF
High Temperat
```