

ASSIGNMENT 2

Date	24 September 2022
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Roll Number	718020L431
Project Name	Project – Smart Farmer-IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

TOPIC: Assignment on temperature and humidity sensing and alarm automation using python

CODE:

```
import random
```

```
while(True):
```

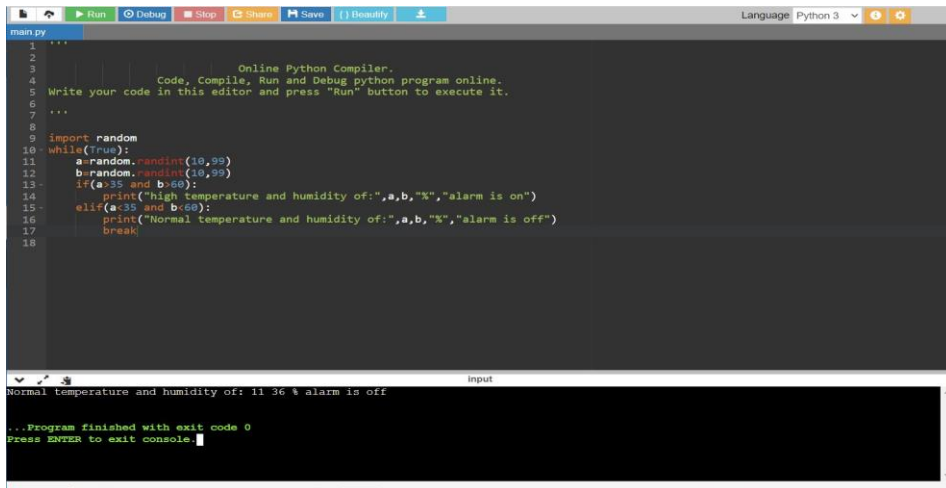
```
    a=random.randint(10,99)
```

```
    b=random.randint(10,99) if(a>35 and b>60): print("high temperature and  
    humidity of:",a,b,"%", "alarm is on")
```

```
    elif(a<35 and b<60):
```

```
print("Normal temperature and humidity of:",a,b,"%", "alarm is off") break
```

OUTPUT



The screenshot shows an online Python compiler interface. The top bar includes buttons for Run, Debug, Stop, Share, Save, and Beautify, along with a Language dropdown set to Python 3. The main editor area contains a Python script. The output console at the bottom shows the execution results.

```
1 '''
2
3         Online Python Compiler.
4         Code, Compile, Run and Debug python program online.
5         Write your code in this editor and press "Run" button to execute it.
6
7     '''
8
9     import random
10    while(1):
11        a=random.randint(10,99)
12        b=random.randint(10,99)
13        if(a>35 and b>60):
14            print("high temperature and humidity of:",a,b,"%","alarm is on")
15        elif(a<35 and b<60):
16            print("Normal temperature and humidity of:",a,b,"%","alarm is off")
17            break
18
```

Normal temperature and humidity of: 11 36 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.