

Smart Farmer -IoT Enabled Smart Farming Application

ASSIGNMENT – 2

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Build a python code, Assume you 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):
```

```
    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
```

main.py



Run

```
1 # Online Python compiler (interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3 import random
4 while(True):
5     a=random.randint(10,99)
6     b=random.randint(10,99)
7     if(a>35 and b>60):
8         print("high temperature and humidity of:",a,b,"%","alarm is on")
9     elif(a<35 and b<60):
10        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
11        break
12
13
14 |
```

Shell

Clear

```
high temperature and humidity of: 50 89 % alarm is on
high temperature and humidity of: 66 66 % alarm is on
high temperature and humidity of: 71 86 % alarm is on
high temperature and humidity of: 45 64 % alarm is on
high temperature and humidity of: 95 79 % alarm is on
Normal temperature and humidity of: 26 39 % alarm is off
> |
```