

IOT ASSIGNMENT 2

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

Name: *PRASANTH.E*

CODE:

```
import random
```

```
i=2 while(True):
```

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

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

```
if(a>35 and b<65):
```

```
    print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM  
        IS ON")        elif(a<35
```

```
and b>65):
```

```
    print("NORMAL TEMPERATURE AND HUMIDITY  
OF:",a,b,"%","ALARM IS OFF")
```

```
if(i<20): i=i+1 random else: break
```

OUTPUT:-

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main.py

```
1 import random
2 i=2
3 while(True):
4     a=random.randint(10,99)
5     b=random.randint(10,99)
6     if(a>35 and b<65):
7         print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
8     elif(a<35 and b>65):
9         print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
10    if(i<20):
11        i=i+1
12        random
13    else:
14        break
15
```

input

HIGH TEMPERATURE AND HUMIDITY OF: 97 62 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 98 15 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 31 83 % ALARM IS OFF
...Program finished with exit code 0
Press ENTER to exit console.

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