

## ASSIGNMENT 2

---

```
//PROGRAM
```

```
import random
```

```
from time import *
```

```
flag=True
```

```
while(flag):
```

```
    temp = random.randint(0,50)
```

```
    humi = random.randint(10,50)
```

```
    if temp>45 and humi<30:
```

```
        print("Ambient Temperature =",temp,"Ambient Humidity =",humi)
```

```
        print("-----ALARM ON-----")
```

```
        flag=False
```

```
    else:
```

```
        print("Ambient Temperature =",temp,"Ambient Humidity",humi)
```

```
        sleep(0.5);
```

```
//OUTPUT
```

```
Ambient Temperature = 22 Ambient Humidity 24
```

```
Ambient Temperature = 11 Ambient Humidity 23
```

```
Ambient Temperature = 21 Ambient Humidity 22
```

```
Ambient Temperature = 42 Ambient Humidity 17
```


```
Ambient Temperature = 47 Ambient Humidity = 20
```

```
-----ALARM ON-----
```

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main.py

1

import random

2

from time import \*

3

flag=True

4

while(flag):

5

temp = random.randint(0,50)

6

humi = random.randint(10,50)

7

if temp>45 and humi<30:

8

print("Ambient Temperature =",temp,"Ambient Humidity =",humi)

9

print("-----ALARM ON-----")

10

flag=False

11

else:

12

print("Ambient Temperature =",temp,"Ambient Humidity",humi)

13

sleep(0.5);

Run

Shell

Clear

Ambient Temperature = 22 Ambient Humidity 24  
Ambient Temperature = 11 Ambient Humidity 23  
Ambient Temperature = 21 Ambient Humidity 22  
Ambient Temperature = 42 Ambient Humidity 17  
Ambient Temperature = 47 Ambient Humidity = 20  
-----ALARM ON-----  
> |

Windows Taskbar

06:52 27-09-2022