

ASSIGNMENT - 2

Assignment Date	22 September 2022
Student Name	DHARSHINI.K.M.
Student Roll Number	211419106065
Maximum Marks	2 Marks

PYTHON CODE TO GET TEMPERATURE AND HUMIDITY (Generated with random function to a variable)

```
import random
```

```
from time import *
```

```
state=True
```

```
while(state):
```

```
    t=random.randint(0,60)
```

```
    h=random.randint(20,70)
```

```
    if t>45 and h<40:
```

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```
print("Temperature=",t,"Humidity=",h)
```

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

```
state=False
```

```
else:
```

```
print("Temperature=",t,"Humidity=",h)
```

```
sleep(1)
```

OUTPUT:

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```
Temperature= 19 Humidity= 34
Temperature= 26 Humidity= 41
Temperature= 39 Humidity= 37
Temperature= 15 Humidity= 56
Temperature= 49 Humidity= 68
Temperature= 20 Humidity= 62
Temperature= 36 Humidity= 27
Temperature= 47 Humidity= 60
Temperature= 20 Humidity= 33
Temperature= 28 Humidity= 62
Temperature= 41 Humidity= 21
Temperature= 3 Humidity= 47
Temperature= 10 Humidity= 38
Temperature= 59 Humidity= 58
Temperature= 5 Humidity= 52
Temperature= 3 Humidity= 42
Temperature= 4 Humidity= 41
Temperature= 25 Humidity= 23
Temperature= 58 Humidity= 69
Temperature= 34 Humidity= 42
Temperature= 28 Humidity= 27
Temperature= 20 Humidity= 29
Temperature= 2 Humidity= 29
Temperature= 30 Humidity= 28
Temperature= 6 Humidity= 52
Temperature= 58 Humidity= 67
Temperature= 49 Humidity= 23
ALARM ON
```

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