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Programiz
Python Online Compiler

Interactive Python Course

```
main.py
1 import random
2
3 # Define the threshold values
4 TEMP_THRESHOLD = 35 # Celsius
5 HUMIDITY_THRESHOLD = 85 # Percentage
6
7 # Generate a random temperature value between 20 and 40 Celsius
8 temperature = random.randint(20, 40)
9
10 # Generate a random humidity value between 50% and 100%
11 humidity = random.randint(50, 100)
12
13 # Check if the temperature or humidity is above the threshold
14 if temperature > TEMP_THRESHOLD or humidity > HUMIDITY_THRESHOLD:
15     print("ALARM: Temperature is {} C and humidity is {}".format(
16         temperature, humidity))
17     # code to play alarm sound goes here
18
```

Shell

```
ALARM: Temperature is 22 C and humidity is 90%
>
```

SKETCH.INFO

import random

TEMP_THRESHOLD = 30 # Celsius

HUMIDITY_THRESHOLD = 30 # Percentage

temperature = random.randint(30, 50)

humidity = random.randint(50, 100)

```
if temperature > TEMP_THRESHOLD or humidity >  
HUMIDITY_THRESHOLD:
```

```
print("ALARM: Temperature is {} C and humidity is  
{%}".format(temperature, humidity))
```

OUTPUT:

ALARM: Temperature is 37 C and humidity is 93%