

ASSIGNMENT-2

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Question:

Build a python code, Assume u 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

PROGRAM

```
Import random
```

```
While(True):
```

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

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

```
    print("current temperature : ", temp)
```

```
    print("current humidity : ", humid,"%")
```

```
    temp_ref=60
```

```
    humid_ref=37
```

```
        if temp>temp_ref and humid<humid_ref:
```

```
            print("sound alarm")
```

```
        else :
```

```
            print("sound off")
```

```
                break
```

Schematic Output:

<div>Temp and Humidity.py - C:/Users/kgbar/Temp and Humidity.py (3.8.10)</div> <div>File Edit Format Run Options Window Help</div> <pre>import random while(True): temp=random.randint(10,99) humid=random.randint(10,99) print("Current temperature:",temp) print("Current humidity:",humid, "%") temp_ref=60 humid_ref=37 if temp>temp_ref and humid<humid_ref: print("Sound alarm") else: print("Sound off") break</pre> <div>Ln: 9 Col: 15</div>	<div>IDLE Shell 3.8.10</div> <div>File Edit Shell Debug Options Window Help</div> <pre>Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>> ===== RESTART: C:/Users/kgbar/Temp and Humidity.py ===== current temperature: 43 current humidity: 67 % Sound off >>> </pre> <div>Ln: 8 Col: 4</div>
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