

ASSIGNMENT 2

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BUILD A PYTHON CODE, ASSUME YOU 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.

CODE:

```
import random

while(True):

    temp=random.randint(10,99)

    hum=random.randint(10,99)

    print("Current Temperature:",temp)

    print("Current Humidity:",hum)

    temp_ref=37

    hum_ref=35

    if temp>temp_ref and hum<hum_ref:

        print("Sound Alarm")

    else:

        print("Sound Off")

    break
```

main.py	<div data-bbox="850 206 887 241"></div> <div data-bbox="906 206 943 241"></div> <div data-bbox="963 206 1042 241">Run</div>	Shell
	<pre data-bbox="220 253 638 591">1 import random 2 while(True): 3 temp=random.randint(10,99) 4 hum=random.randint(10,99) 5 print("Current Temperature:",temp) 6 print("Current Humidity:",hum) 7 temp_ref=37 8 hum_ref=35 9 if temp>temp_ref and hum<hum_ref: 10 print("Sound Alarm") 11 else: 12 print("Sound Off") 13 break</pre>	<pre data-bbox="1070 253 1305 353">Current Temperature: 20 Current Humidity: 90 Sound Off ></pre>