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BE ECE
SKCT

ASSIGNMENT 2

Problem Statement

Build a python code, assume you get temperature and humidity values (generated with random functions to a variable) and write a condition to continuously detect alarm in case of high temperature.

Code

```
import random
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print(Temperature) print(Humidity)
if ((Temperature>38)&(Humidity>40)):
    print("Temperature and Humidity are HIGH ! ")
    print("*** ALARM ON ***")
else: print("Temperature and Humidity are NORMAL ! ")
print("*** ALARM OFF ***")
```

OUTPUT

<div>main.py</div> <div><div><div></div><div></div><div>Run</div></div><pre>1 import random 2 Temperature=random.randint(1,100) 3 Humidity=random.randint(1,100) 4 print(Temperature) 5 print(Humidity) 6 if((Temperature>38)&(Humidity>40)): 7 print("Temperature and Humidity are HIGH ! ") 8 print("*** ALARM ON ***") 9 else: 10 print("Temperature and Humidity are NORMAL ! ") 11 print("*** ALARM OFF ***")</pre></div>	<div>Shell</div> <div><div>35</div><div>54</div><div>Temperature and Humidity are NORMAL !</div><div>*** ALARM OFF ***</div><div>> </div></div>
<div></div> <div><pre>1 import random 2 Temperature=random.randint(1,100) 3 Humidity=random.randint(1,100) 4 print(Temperature) 5 print(Humidity) 6 if((Temperature>38)&(Humidity>40)): 7 print("Temperature and Humidity are HIGH ! ") 8 print("*** ALARM ON ***") 9 else: 10 print("Temperature and Humidity are NORMAL ! ") 11 print("*** ALARM OFF ***")</pre></div>	<div></div> <div><div>59</div><div>86</div><div>Temperature and Humidity are HIGH !</div><div>*** ALARM ON ***</div><div>></div></div>