

ASSIGNMENT 2

SUBMITTED BY:

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ECE, 4 th year

Ponjesly college of

Engineering

B12-6A2E

CODE:

import random

```
for i in range(0, 20):  
    temp=random.randint(30, 100)  
    hum=random.randint(60, 100)  
    if temp > 80 and hum < 90 :  
        print("HIGH TEMPERATURE ", temp)  
    elif hum > 90 and temp > 80 :  
        print("HAZARD DETECTED WITH TEMPERATURE : %i AND HUMIDITY : %i" %  
(temp, hum))  
    elif hum >90 and temp <80 :  
        print("HIGH HUMIDITY : ", hum)  
    else:  
        print("ALL GOOD")
```

INPUT:

```
ax2.py - C:\Users\ELCOT\AppData\Local\Programs\Python\Python310\ax2.py (3.10.7)
File Edit Format Run Options Window Help

import random
for i in range(0,50):
    temp=random.randint(0,100)
    hum=random.randint(0,100)
    if temp > 90 and hum < 90 :
        print("HIGH TEMPERATURE : ",temp)
    elif hum > 90 and temp > 80 :
        print("HAZARD DETECTED WITH TEMPERATURE : %i AND HUMIDITY : %i" % (temp,hum))
    elif hum > 90 and temp < 80 :
        print("HIGH HUMIDITY : ",hum)
    else:
        print("ALL GOOD")
```

OUTPUT:

```
Python 3.10.7 (tags/v3.10.7:6cc5b19, Sep 5 2023, 14:00:06) [AMD64] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== REPORT: C:\Users\ELCOT\AppData\Local\Programs\Python\Python310\ax2.py =====
ALL GOOD
HIGH TEMPERATURE : 98
ALL GOOD
ALL GOOD
ALL GOOD
HAZARD DETECTED WITH TEMPERATURE : 85 AND HUMIDITY : 100
HIGH TEMPERATURE : 87
HIGH TEMPERATURE : 91
ALL GOOD
ALL GOOD
ALL GOOD
HIGH TEMPERATURE : 75
HIGH TEMPERATURE : 80
ALL GOOD
ALL GOOD
ALL GOOD
HAZARD DETECTED WITH TEMPERATURE : 90 AND HUMIDITY : 100
HIGH HUMIDITY : 100
ALL GOOD
HAZARD DETECTED WITH TEMPERATURE : 82 AND HUMIDITY : 96
>>>
```