```
诸 assignment.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python37/assignment.py (3.7.0)
File Edit Format Run Options Window Help
import random
import time
threshl=int(input("Enter the threshold value for temperature:"))
thresh2=int(input("Enter the threshold value for humidity:"))
tp=0
while (True):
   temp=random.uniform(1,100)
   humidity=random.uniform(1,50)
   print("temperature is : {0:.2f}".format(temp))
    print("humidity is : {0:.2f} %".format(humidity))
    time.sleep(1)
    if temp>=threshl and humidity<=thresh2:</pre>
       tp=1
hu=1
        print("\nHIGH ALERT\nHumidity alarm and Temperature alarm are ON \n")
        time.sleep(2)
    elif humidity<=thresh2:
        tp=0
        hu=1
        print("\nHumidity alarm is ON and Temperature alarm is OFF \n")
        time.sleep(2)
    elif temp>=thresh1:
        tp=1
        print("\nHumidity alarm is OFF and Temperature alarm is ON \n")
        time.sleep(2)
    else:
        tp=0
        hu=0
        print("\nBoth alarms are OFF \n")
        time.sleep(2)
```

```
## Python 3.70 Seel"
File Edit Shell Debug Options Window Help
temperature is: 5 52.73
humidity is: 1.22 %
HIGH ALERT
Humidity alarm and Temperature alarm are ON

temperature is: 6.62
humidity is: 34.12 %
Humidity alarm is OFF and Temperature alarm is ON

temperature is: 59.61
humidity is: 24.07 %
HIGH ALERT
Humidity alarm and Temperature alarm are ON

temperature is: 79.45
humidity is: 19.47 %
HIGH ALERT
Humidity alarm and Temperature alarm are ON

temperature is: 11.76
humidity alarm and Temperature alarm are ON

temperature is: 9.11.76
humidity alarm is: 0N and Temperature alarm is: 0FF

temperature is: 9.15
humidity alarm is: 0N and Temperature alarm is: 0FF

temperature is: 12.94
Humidity alarm is: 0N and Temperature alarm is: 0FF

temperature is: 72.94
humidity alarm is: 0N and Temperature alarm is: 0FF

temperature is: 72.94
humidity alarm is: 0N and Temperature alarm is: 0FF

temperature is: 72.94
humidity alarm is: 0N and Temperature alarm is: 0NF

Humidity alarm is: 0NF and Temperature alarm is: 0NF

Humidity alarm is: 0NF and Temperature alarm is: 0NF
```