

Assignment 2:

```
import random
threshold_temperature=80
threshold_humidity=40
while(True):
    temperature=random.randint(1,100)
    humidity=random.randint(1,50)
    print(humidity)
    print(temperature)
    if(temperature>threshold_temperature ):
        print("HIGH TEMPERATURE & ALARM ON")
    elif(humidity<threshold_humidity):
        print("LOW TEMPERATURE &ALARM TURNS OFF")
    else:
        print("NORMAL TEMPERATURE & ALARM TURNS OFF")
```

OUTPUT:

A screenshot of a Python IDE interface. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to Python 3. The editor window shows the code from the previous block. Below the editor is a terminal window with the following output:

```
LOW TEMPERATURE &ALARM TURNS OFF
40
66
NORMAL TEMPERATURE & ALARM TURNS OFF
36
100
HIGH TEMPERATURE & ALARM ON
29
10
LOW TEMPERATURE &ALARM TURNS OFF
35
6
```