

IBM-NALAYATHIRAN

DOMAIN-IOT

ASSIGNMENT 2- TEMPERATURE AND HUMIDITY
SENSING AND ALARM AUTOMATION USING
PYTHON

BY

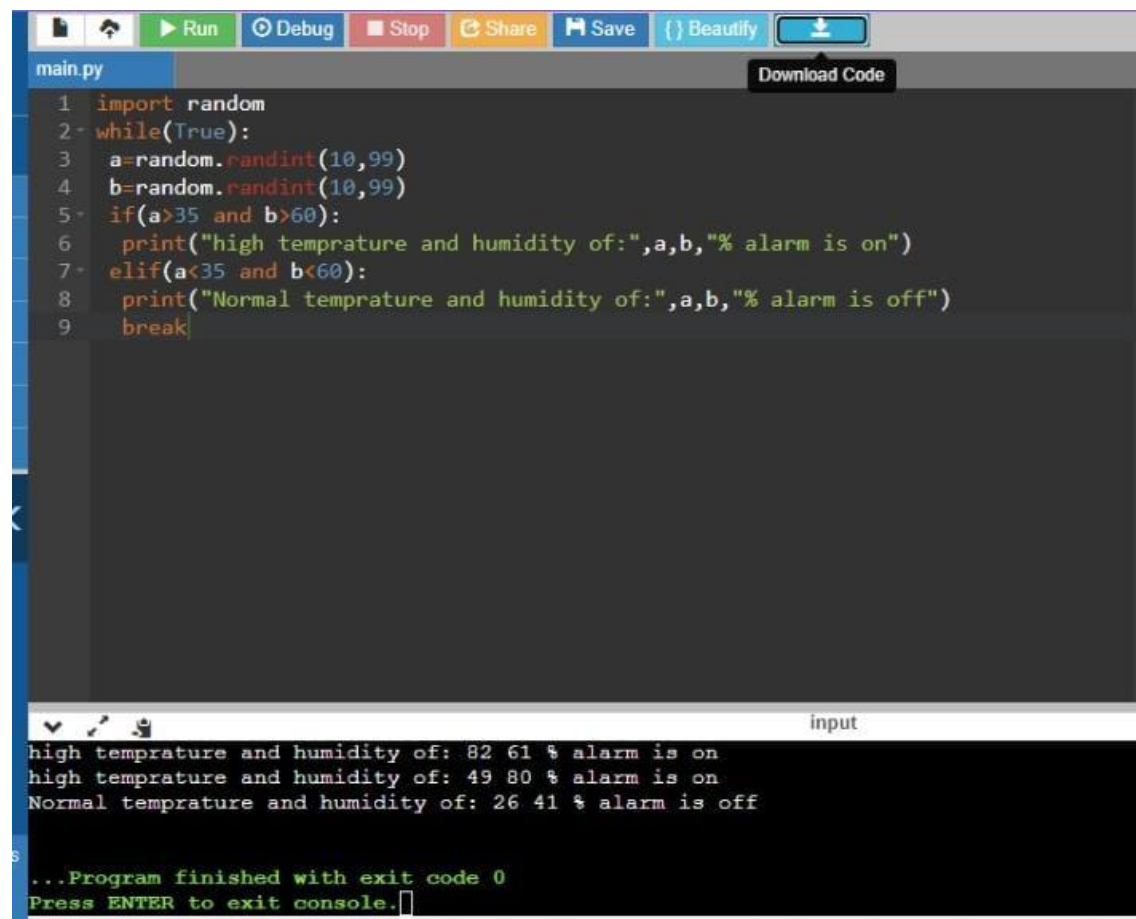
SAFRIN.I

CODE:

```
import random

while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temprature and humidity of:",a,b,"% alarm is on")
    elif(a<35 and b<60):
        print("Normal temprature and humidity of:",a,b,"% alarm is off")
    break
```

OUTPUT:

A screenshot of a web-based code editor interface. The top bar contains several icons and buttons: a file icon, a home icon, a 'Run' button (green), a 'Debug' button (blue), a 'Stop' button (red), a 'Share' button (orange), a 'Save' button (blue), a 'Beautify' button (blue with a bracket icon), and a 'Download Code' button (blue with a download icon). Below the top bar, the editor area shows a file named 'main.py' with the following Python code:

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temprature and humidity of:",a,b,"% alarm is on")
7     elif(a<35 and b<60):
8         print("Normal temprature and humidity of:",a,b,"% alarm is off")
9     break
```

Below the code editor, there is a console window with a black background and white text. It shows the output of the program:

```
high temprature and humidity of: 82 61 % alarm is on
high temprature and humidity of: 49 80 % alarm is on
Normal temprature and humidity of: 26 41 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```