

## **ASSIGNMENT 2 : TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON CODE**

**SUBMITTED BY : P.INDHUMATHI**

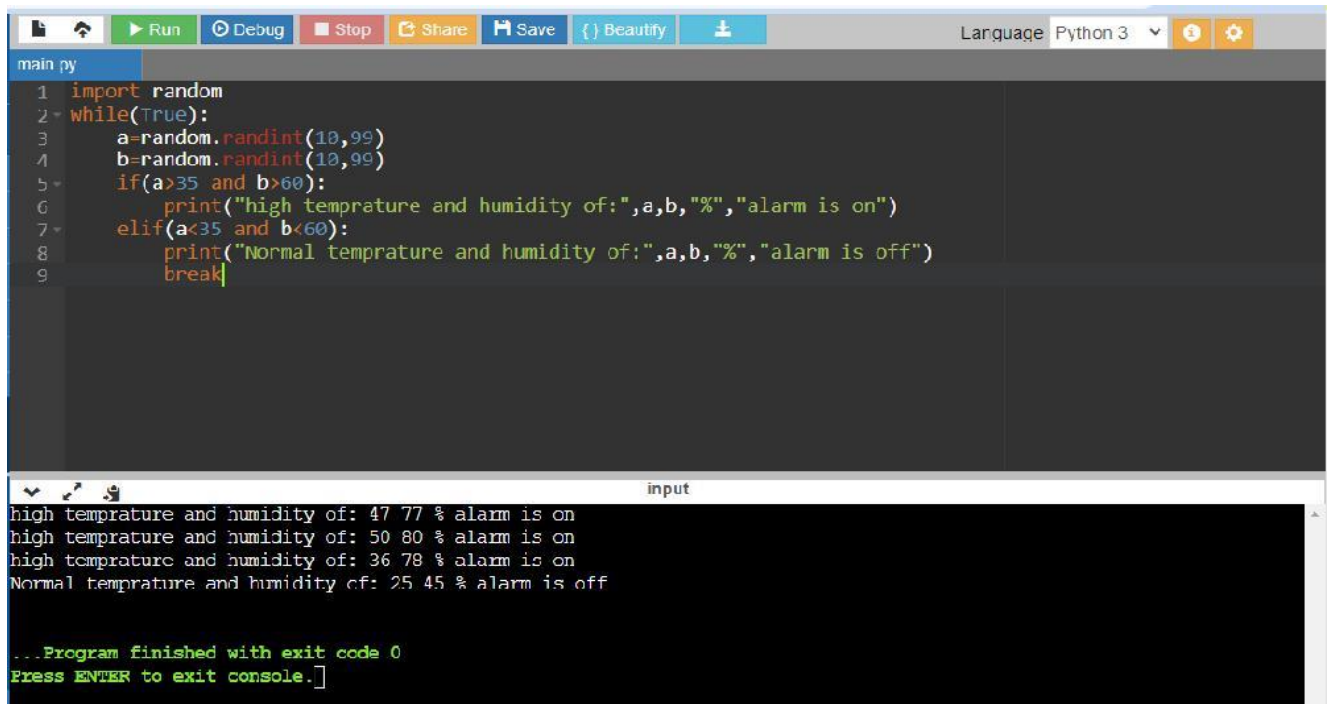
**BATCH NO : B1-1M3E**

**TOPIC : IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION**

### **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:



The screenshot shows a Python IDE with a toolbar at the top containing icons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language is set to Python 3. The code in the editor is as follows:

```
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
```

The output window, titled 'input', displays the following results:

```
high temprature and humidity of: 47 77 % alarm is on
high temprature and humidity of: 50 80 % alarm is on
high temprature and humidity of: 36 78 % alarm is on
Normal temprature and humidity of: 25 45 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.]
```