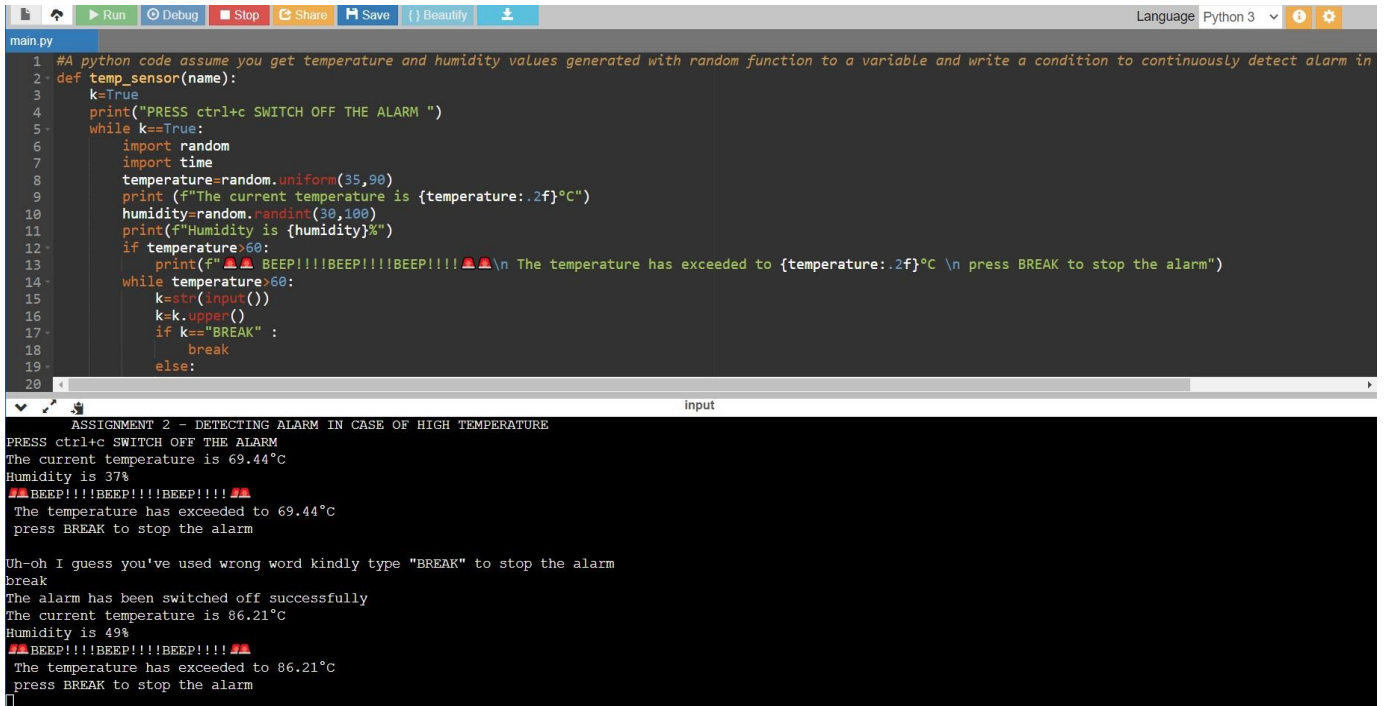


Team ID	PNT2022TMID31403
Project Name	Gas Leakage monitoring & Alerting system for Industries
Project TEAM members	AISHA REFANA A HARIN VENUGOPALAN JEEVANANDHAM P KAMALI M

OUTPUT:



The image shows a Python IDE window with a file named 'main.py'. The code defines a function 'temp_sensor(name)' that generates random temperature and humidity values. It prints these values and checks if the temperature exceeds 60°C. If it does, it triggers a beeping alarm and asks the user to press 'BREAK' to stop the alarm. The output window shows the execution of this code, displaying the generated values and the alarm being triggered when the temperature exceeds 60°C. The user enters 'BREAK' to stop the alarm, and the program continues to generate new values.

```
1 #A python code assume you get temperature and humidity values generated with random function to a variable and write a condition to continuously detect alarm in
2 def temp_sensor(name):
3     k=True
4     print("PRESS ctrl+c SWITCH OFF THE ALARM ")
5     while k==True:
6         import random
7         import time
8         temperature=random.uniform(35,90)
9         print (f"The current temperature is {temperature:.2f}°C")
10        humidity=random.randint(30,100)
11        print(f"Humidity is {humidity}%")
12        if temperature>60:
13            print(f"🔊🔊 BEEP!!!!BEEP!!!!BEEP!!!!🔊🔊\n The temperature has exceeded to {temperature:.2f}°C \n press BREAK to stop the alarm")
14            while temperature>60:
15                k=str(input())
16                k=k.upper()
17                if k=="BREAK" :
18                    break
19            else:
20                continue
```

input

ASSIGNMENT 2 - DETECTING ALARM IN CASE OF HIGH TEMPERATURE
PRESS ctrl+c SWITCH OFF THE ALARM
The current temperature is 69.44°C
Humidity is 37%
🔊🔊BEEP!!!!BEEP!!!!BEEP!!!!🔊🔊
The temperature has exceeded to 69.44°C
press BREAK to stop the alarm
Uh-oh I guess you've used wrong word kindly type "BREAK" to stop the alarm
break
The alarm has been switched off successfully
The current temperature is 86.21°C
Humidity is 49%
🔊🔊BEEP!!!!BEEP!!!!BEEP!!!!🔊🔊
The temperature has exceeded to 86.21°C
press BREAK to stop the alarm