Gas Leakage monitoring & Alerting system for Industries

Assignment-2

Team ID	PNT2022TMID21445
Project Name	Gas Leakage monitoring & Alerting system for Industries
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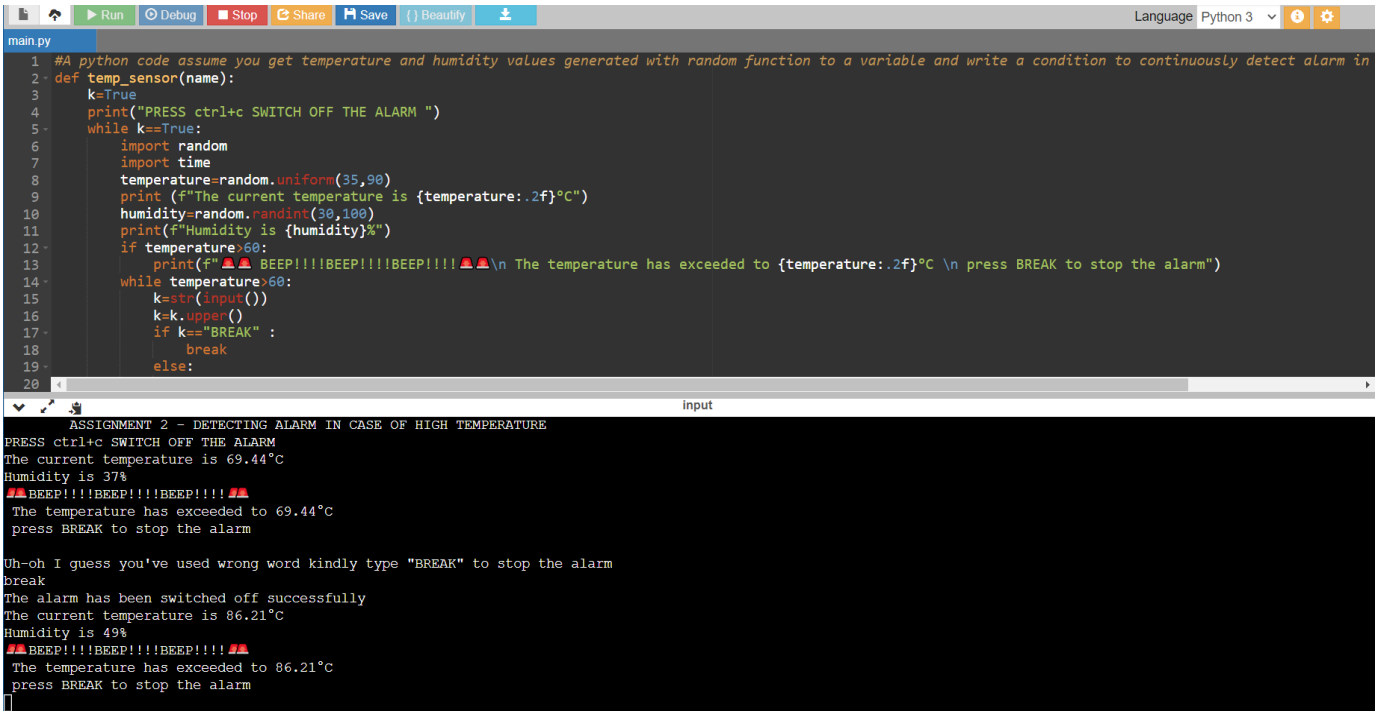
Problem:

- Build a python code, assume you get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature.

CODE:

OUTPUT:


Run
Debug
Stop
Share
Save
{ } Beautify
Language
Python 3
main.py
#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
def temp_sensor(name):
k=True
print("PRESS ctrl+c SWITCH OFF THE ALARM ")
while k==True:
import random
import time
temperature=random.uniform(35,90)
print (f"The current temperature is {temperature:.2f}°C")
humidity=random.randint(30,100)
print(f"Humidity is {humidity}%")
if temperature>60:
print(f"🚨🚨 BEEP!!!!BEEP!!!!BEEP!!!!🚨🚨\n The temperature has exceeded to {temperature:.2f}°C \n press BREAK to stop the alarm")
while temperature>60:
k=str(input())
k=k.upper()
if k=="BREAK" :
break
else:
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