**GAS LEAKAGE MONITORING AND ALERTING**

**SYSTEM FOR INDUSTRIES**

**Assignment 2** Problem Statement :

Build 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 case of high temperature.

Code:

#A python code assume you get temperature and humidity values generated with

random function to a variable and write a condition to continuously detect

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| --- |
| alarm in case of high temperature  deftemp\_sensor(name): k=True  print("PRESS ctrl+c SWITCH OFF THE ALARM ")  while k==True:  importrandom  importtimetemperature=random.uniform(35,90)  print (f"The current temperature is {temperature:.2f}°C") humidity=random.randint(30,100)  print(f"Humidity is {humidity}%")  iftemperature>60:  print(f"🚨🚨 BEEP!!!!BEEP!!!!BEEP!!!!🚨🚨\n The temperature has exceeded to {temperature:.2f}°C \n press BREAK to stop the alarm") whiletemperature>60: k=str(input()) k=k.upper() ifk=="BREAK" :  breakelse:  print('''Uh-oh I guess you've used wrong word kindly type  "BREAK" to stop the alarm ''') continuebreak  iftemperature>60:  print("The alarm has been switched off successfully")  else:  print("The temperature is normal") |
| time.sleep(7) k=True  name=str(input("ENTER YOUR USERNAME: "))  print("\tASSIGNMENT 2 - DETECTING ALARM IN CASE OF HIGH TEMPERATURE") temp\_sensor(name) |

Output:

