**ASSIGNMENT-2**

**Python Programming**

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| Date | 24 September 2022 |
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| Project Name | Gas Leakage Monitoring and Alerting System |

**1.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.**

**Solution :**

import random

def temperature ():

value=random.randint(25,100)

return value

t=temperature ()

t=int(input("Enter the temperature value : "))

def humidity ():

range=random.randint(40,100)

return range

h=humidity ()

h=int(input("Enter the humidity value : "))

if t>40:

print("High temperature detected")

print("Buzzer on, alarm sound is high")

elif t==40:

print("Temperature reached maximum threshold of 40 degrees Celsius")

else:

print("Temperature is good")

#for Humidity

if h>45:

print("High humidity detected")

print("Buzzer on, alarm sound is high")

elif h==45:

print("Humidity reached maximum threshold of 45 percent")

else:

print("Humidity is good")



