

ASSIGNMENT 2

DOMAIN: IOT

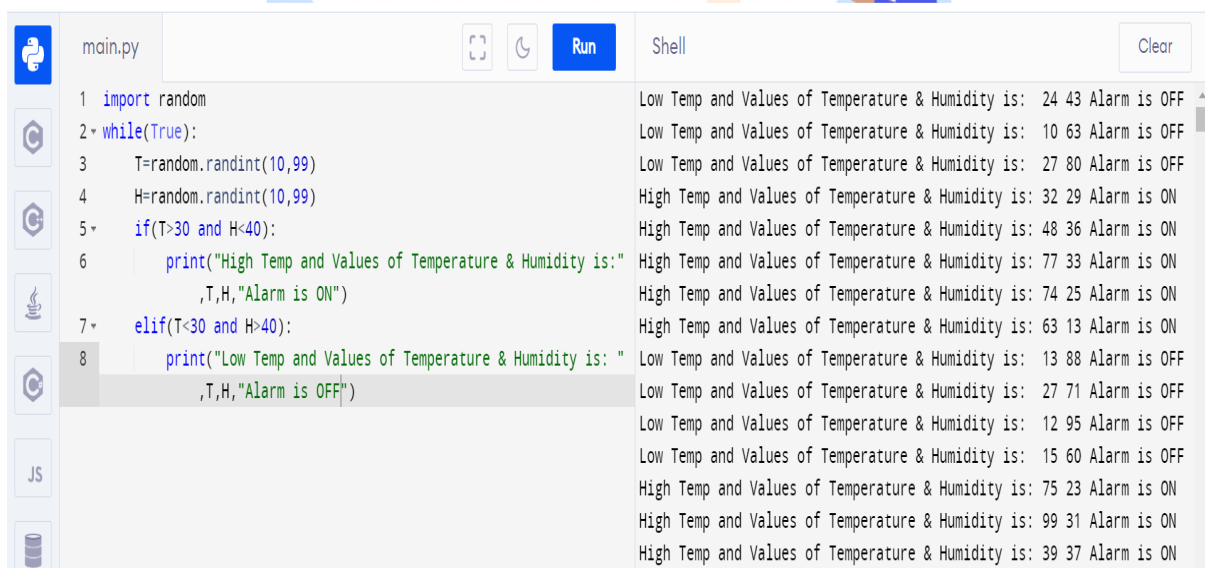
**PROJECT TITLE: GAS DETECTION MONITORING &
ALERTING SYSTEM**

TEAM ID: PNT2022TMID15951

TEAM MEMBERS:

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Write a condition to continuously detect alarm in case of high temperature



The screenshot shows a Python IDE with a file named 'main.py'. The code is a while loop that generates random temperature (T) and humidity (H) values and prints an alert based on specific conditions. The 'Run' button is highlighted in blue. The output in the 'Shell' window shows the program running continuously, printing messages like 'High Temp and Values of Temperature & Humidity is: 77 33 Alarm is ON' and 'Low Temp and Values of Temperature & Humidity is: 13 88 Alarm is OFF'.

```
1 import random
2 while(True):
3     T=random.randint(10,99)
4     H=random.randint(10,99)
5     if(T>30 and H<40):
6         print("High Temp and Values of Temperature & Humidity is:"
7             ,T,H,"Alarm is ON")
8     elif(T<30 and H>40):
9         print("Low Temp and Values of Temperature & Humidity is: "
10            ,T,H,"Alarm is OFF")
```

Shell

Low Temp and Values of Temperature & Humidity is: 24 43 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 10 63 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 27 80 Alarm is OFF
High Temp and Values of Temperature & Humidity is: 32 29 Alarm is ON
High Temp and Values of Temperature & Humidity is: 48 36 Alarm is ON
High Temp and Values of Temperature & Humidity is: 77 33 Alarm is ON
High Temp and Values of Temperature & Humidity is: 74 25 Alarm is ON
High Temp and Values of Temperature & Humidity is: 63 13 Alarm is ON
Low Temp and Values of Temperature & Humidity is: 13 88 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 27 71 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 12 95 Alarm is OFF
Low Temp and Values of Temperature & Humidity is: 15 60 Alarm is OFF
High Temp and Values of Temperature & Humidity is: 75 23 Alarm is ON
High Temp and Values of Temperature & Humidity is: 99 31 Alarm is ON
High Temp and Values of Temperature & Humidity is: 39 37 Alarm is ON