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Team ID : PNT2002TMID31143

Project Name : Gas Leakage monitoring & Alerting system for Industries

IBM PROJECT – ASSIGNMENT 2

CODE:

```
import random
threshold_temperature=80
threshold_humidity=30
while True:
  temperature=random.randint(1,100)
  humidity=random.randint(1,50)
  print(humidity)
  print(temperature)
  if(temperature>threshold_temperature or humidity>threshold_humidity):
      print("HIGH TEMPERATURE & ALARM TRIGGERS")
  elif(humidity<threshold_humidity or temperature>threshold_temperature):
    print("LOW TEMPERATURE &ALARM TURNS OFF")
  else:
    print("NORMAL TEMPERATURE & ALARM TURNS OFF")
```

OUTPUT:

```
56
LOW  TEMPERATURE  &ALARM  TURNS  OFF
13
24
LOW  TEMPERATURE  &ALARM  TURNS  OFF
24
45
LOW  TEMPERATURE  &ALARM  TURNS  OFF
13
61
LOW  TEMPERATURE  &ALARM  TURNS  OFF
2
81
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
38
77
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
24
77
LOW  TEMPERATURE  &ALARM  TURNS  OFF
42
67
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
14
34
LOW  TEMPERATURE  &ALARM  TURNS  OFF
29
6
LOW  TEMPERATURE  &ALARM  TURNS  OFF
42
89
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
40
53
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
39
86
HIGH  TEMPERATURE  &  ALARM  TRIGGERS
14
31
LOW  TEMPERATURE  &ALARM  TURNS  OFF
14
```