

ASSIGNMENT 2

DOMAIN: IOT

PROJECT TITLE: GAS DETECTION MONITORING & ALERTING SYSTEM

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

```
import random
```

```
while(True):
```

```
    T=random.randint(10,99)
```


```
    H=random.randint(10,99)
```

```
    if(T>30 and H<40):
```


```
        print("High Temp and Values of Temperature & Humidity  
is:",T,H,"Alarm is ON")
```





```
    elif(T<30 and H>40):
```

```
        print("Low Temp and Values of Temperature & Humidity is:  
",T,H,"Alarm is OFF")
```




main.py

Run



JS



```
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:"
              ,T,H,"Alarm is ON")
7     elif(T<30 and H>40):
8         print("Low Temp and Values of Temperature & Humidity is: "
              ,T,H,"Alarm is OFF")
```

Shell

Clear

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