

IOT ASSIGNMENT 2

TOPIC: Gas leakage monitoring and alerting system for industries

NAME:










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CODE:

```
import random while(True):  
a=random.randint(10,100)  
b=random.randint(10,100)  
if(a>35 and b>65): print("HIGH TEMPERATURE AND HUMIDITY  
OF:",a,b,"%", "ALARM IS ON") continue  
elif(a<35 and b<65):
```

```
print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")  
break
```




OUTPUT :-



Language Python 3 

main.py

```
1 import random
2 while(True):
3     a=random.randint(10,100)
4     b=random.randint(10,100)
5     if(a>35 and b>65):
6         print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
7         continue
8     elif(a<35 and b<65):
9         print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
10        break
```



input

```
HIGH TEMPERATURE AND HUMIDITY OF: 68 96 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 81 83 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 13 32 % ALARM IS OFF

...Program finished with exit code 0
Press ENTER to exit console. 
```