






# **IBM NALAIYATHIRAN**

## **ASSIGNMENT-2**



**Build a python code, Assume you get temperature and humidity values (generated with random functions to a variable) and write a condition to continuously detect alarm in case of high.**

**CODE:**



```
import random
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print("Temperature:")
print(Temperature)
print("Humidity:")
print(Humidity)
if((Temperature>38)&(Humidity>60)):
    print("Values are HIGH!!! ")
    print("ALERT")
if((Temperature>38)&(Humidity<60)):
    print("Tempertaure Value is HIGH!!! ")
    print("Check Temperature")
if((Temperature<38)&(Humidity>60)):
    print("Humidity Value is HIGH!!! ")
    print("Check Humidity")
if((Temperature<38)&(Humidity<60)):
    print("All Values are in limit!!! ")
    print("SAFE ZONE")
```



JS



main.py








Run

```
1 import random
2 Temperature=random.randint(1,100)
3 Humidity=random.randint(1,100)
4 print("Temperature:")
5 print(Temperature)
6 print("Humidity:")
7 print(Humidity)
8 - if((Temperature>38)&(Humidity>60)):
9     print("Values are HIGH!!! ")
10    print("ALERT")
11 - if((Temperature>38)&(Humidity<60)):
12    print("Tempertaure Value is HIGH!!! ")
13    print("Check Temperature")
14 - if((Temperature<38)&(Humidity>60)):
15    print("Humidity Value is HIGH!!! ")
16    print("Check Humidity")
17 - if((Temperature<38)&(Humidity<60)):
18    print("All Values are in limit!!! ")
19    print("SAFE ZONE")
```



Shell

Clear



```
Temperature:
13
Humidity:
68
Humidity Value is HIGH!!!
Check Humidity
> |
.
```



JS



main.py



Run

```
1 import random
2 Temperature=random.randint(1,100)
3 Humidity=random.randint(1,100)
4 print("Temperature:")
5 print(Temperature)
6 print("Humidity:")
7 print(Humidity)
8 - if((Temperature>38)&(Humidity>60)):
9     print("Values are HIGH!!! ")
10    print("ALERT")
11 - if((Temperature>38)&(Humidity<60)):
12    print("Tempertaure Value is HIGH!!! ")
13    print("Check Temperature")
14 - if((Temperature<38)&(Humidity>60)):
15    print("Humidity Value is HIGH!!! ")
16    print("Check Humidity")
17 - if((Temperature<38)&(Humidity<60)):
18    print("All Values are in limit!!! ")
19    print("SAFE ZONE")
```

Shell

Clear

```
Temperature:
98
Humidity:
19
Tempertaure Value is HIGH!!!
Check Temperature
> |
```

main.py

Run

Clear

```
1 import random
2 Temperature=random.randint(1,100)
3 Humidity=random.randint(1,100)
4 print("Temperature:")
5 print(Temperature)
6 print("Humidity:")
7 print(Humidity)
8 - if((Temperature>38)&(Humidity>60)):
9     print("Values are HIGH!!! ")
10    print("ALERT")
11 - if((Temperature>38)&(Humidity<60)):
12    print("Tempertaure Value is HIGH!!! ")
13    print("Check Temperature")
14 - if((Temperature<38)&(Humidity>60)):
15    print("Humidity Value is HIGH!!! ")
16    print("Check Humidity")
17 - if((Temperature<38)&(Humidity<60)):
18    print("All Values are in limit!!! ")
19    print("SAFE ZONE")
```

Shell

Clear

Temperature:
78
Humidity:
41
Tempertaure Value is HIGH!!!
Check Temperature
> |

main.py

Run

Clear

```
1 import random
2 Temperature=random.randint(1,100)
3 Humidity=random.randint(1,100)
4 print("Temperature:")
5 print(Temperature)
6 print("Humidity:")
7 print(Humidity)
8 - if((Temperature>38)&(Humidity>60)):
9     print("Values are HIGH!!! ")
10    print("ALERT")
11 - if((Temperature>38)&(Humidity<60)):
12    print("Tempertaure Value is HIGH!!! ")
13    print("Check Temperature")
14 - if((Temperature<38)&(Humidity>60)):
15    print("Humidity Value is HIGH!!! ")
16    print("Check Humidity")
17 - if((Temperature<38)&(Humidity<60)):
18    print("All Values are in limit!!! ")
19    print("SAFE ZONE")
```

Shell

Clear

Temperature:
66
Humidity:
97
Values are HIGH!!!
ALERT
> |