

SNS COLLEGE OF TECHNOLOGY

DEPARTMENT OF ECE

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TEAM ID:PNT2022TMID17751

PROJECT TITTLE : Industry-specific intelligent fire management system

CODE:

```
import random
```

```
import time
```

```
while True:
```

```
    temperature = random.randint(1,100)
```

```
    humidity = random.randint(1,100)
```

```
    print("Temperature: ", temperature)
```

```
    print("Humidity: ", humidity)
```

```
    if temperature >= 60 and (30 < humidity < 60):
```

```
        print("Alarm ON!")
```

```
    else:
```

```
        print("Alarm OFF!")
```

```
    time.sleep(2)
```

```
File Edit Selection View Go Run Terminal Help
file.py x
file.py
1 import random
2 import time
3
4 while True:
5     temperature = random.randint(1,100)
6     humidity = random.randint(1,100)
7     print("Temperature: ", temperature)
8     print("Humidity: ", humidity)
9     if temperature >= 60 and (30 < humidity < 60):
10         print("Alarm ON!")
11
12     else:
13         print("Alarm OFF!")
14
15     time.sleep(2)
16
17

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Terminal
Shell: bash 5.1.16
Resolution: 1920x1080
DE: Unity
WM: Mutter
wm Theme: Colloid-Dark-Nord
Theme: Colloid-Dark-Nord [GTK2/3]
Icons: Colloid-dark [GTK2/3]
Terminal: vscode
CPU: AMD Ryzen 7 4800H with Radeon Graphics (16) @ 2.900Ghz
GPU: NVIDIA 01:00.0 NVIDIA Corporation TU117M
GPU: AMD ATI 05:00.0 Renoir
Memory: 4255MiB / 7318MiB

~/Documents/IBM/Assignment 25 /bin/python3 ~/home/nero/Documents/IBM/Assignment 2/file.py
Temperature: 97
Humidity: 87
Alarm ON!
Temperature: 18
Humidity: 31
Alarm OFF!
```

```
File Edit Selection View Go Run Terminal Help
file.py x
file.py
1 import random
2 import time
3
4 while True:
5     temperature = random.randint(1,100)
6     humidity = random.randint(1,100)
7     print("Temperature: ", temperature)
8     print("Humidity: ", humidity)
9     if temperature >= 60 and (30 < humidity < 60):
10         print("Alarm ON!")
11
12     else:
13         print("Alarm OFF!")
14
15     time.sleep(2)
16
17

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Terminal
Temperature: 97
Humidity: 87
Alarm ON!
Temperature: 18
Humidity: 31
Alarm OFF!
Temperature: 33
Humidity: 8
Alarm OFF!
Temperature: 89
Humidity: 27
Alarm OFF!
Temperature: 44
Humidity: 90
Alarm OFF!
Temperature: 65
Humidity: 60
Alarm OFF!
Temperature: 6
Humidity: 61
Alarm OFF!
Temperature: 99
Humidity: 11
Alarm OFF!
```