

ASSIGNMENT-2

TEAM ID :PNT2022TMID46212

IoT Based Safety Gadget for Child Safety Monitoring and Notification

PROGRAM

```
import random #random function
```

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

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

```
print(temp)#temperature value
```

```
print(humty)#hmidity value
```

```
if ((temp<30)&(humty<50)):
```

```
    print("temperature is normal :")
```

```
    print("humidity is normal:")
```

```
    print("alaram off")
```

```
elif((temp<30)&(humty>50)):
```

```
    print("temperature is low")
```

```
    print("humidity is high")
```

```
    print("alarm off")
elif((temp>30) & (humty<50)):
    print("temperature is high:")
    print("humidity is normal")
    print("alarm on")
elif((temp>30) & (humty<60)):
    print("temperature is high")
    print("humidity is normal:")
    print("alarm on")
elif((temp>30) & (humty>60)):
    print("temperature is high")
    print("humidity is high")
    print("alarm on")
```

OUTPUT

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
53
29
temperature is high:
humidity is normal
alarm on
>>>
= RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
27
78
temperature is low
humidity is high
alarm off
>>>
= RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
39
1
temperature is high:
humidity is normal
alarm on
>>>
= RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
18
47
temperature is normal :
humidity is normal:
alarm off
>>>
= RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
53
24
temperature is high:
humidity is normal
alarm on
>>>
= RESTART: C:/Users/CHINNAN/AppData/Local/Programs/Python/Python310/ASSIGNMENT2.py
6
57
temperature is low
```