

**IBM ASSIGNMENT 2:****CODE:**

```
import random
import time

while(1):
    t=random.randint(27,84)
    h=random.randint(21,46)

    if(31<=t<=53):
        print("Normal Temperature. Temperature = ",t)
    elif(t<31):
        print("Very low Temperature. Temperature = ",t)
    elif(t>53):
        print("Very high Temperature. Temperature = ",t)

    if(31<=h<=40):
        print("Normal Humidity. Humidity = ",h)
    elif(h<31):
        print("Very less humidity. Humidity = ",h)
    elif(h>40):
        print("Very high humidity. Humidity = ",h)

    time.sleep(3)
```

```
assignment2.py - C:/Users/dharu/OneDrive/Desktop/assignment2.py (3.10.6)
File Edit Format Run Options Window Help
import random
import time

while (1):
    t=random.randint(27,84)
    h=random.randint(21,46)
    if (31<=t<=53):
        print("Normal Temperature. Temperature = ",t)
    elif (t<31):
        print("Very low Temperature. Temperature = ",t)
    elif (t>53):
        print("Very high Temperature. Temperature = ",t)
    if (31<=h<=40):
        print("Normal Humidity. Humidity = ",h)
    elif (h<31):
        print("Very less humidity. Humidity = ",h)
    elif (h>40):
        print("Very high humidity. Humidity = ",h)
    time.sleep(3)
```

Ln: 18 Col: 50

30°C Partly sunny

**OUTPUT:**

```
"IDLE Shell 3.10.6"
File Edit Shell Debug Options Window Help
Very low Temperature. Temperature = 27
Very less humidity. Humidity = 26
Very high Temperature. Temperature = 57
Normal Humidity. Humidity = 34
Very high Temperature. Temperature = 68
Very less humidity. Humidity = 27
Very high Temperature. Temperature = 79
Very less humidity. Humidity = 28
Very high Temperature. Temperature = 59
Very less humidity. Humidity = 29
Very high Temperature. Temperature = 74
Very high humidity. Humidity = 44
Very high Temperature. Temperature = 63
Very less humidity. Humidity = 30
Normal Temperature. Temperature = 49
Normal Humidity. Humidity = 34
Very high Temperature. Temperature = 70
Very less humidity. Humidity = 28
Normal Temperature. Temperature = 37
Very less humidity. Humidity = 30
Normal Temperature. Temperature = 49
Very less humidity. Humidity = 23
Very high Temperature. Temperature = 56
Very high humidity. Humidity = 42
Normal Temperature. Temperature = 50
Very high humidity. Humidity = 42
Very high Temperature. Temperature = 55
Normal Humidity. Humidity = 38
Normal Temperature. Temperature = 34
Normal Humidity. Humidity = 39
Very high Temperature. Temperature = 78
Very high humidity. Humidity = 46
Very high Temperature. Temperature = 65
Normal Humidity. Humidity = 31
Very high Temperature. Temperature = 58
Very less humidity. Humidity = 22
Normal Temperature. Temperature = 49
Normal Humidity. Humidity = 34
Normal Temperature. Temperature = 35
Very less humidity. Humidity = 21
Normal Temperature. Temperature = 41
Very high humidity. Humidity = 46
```

Ln: 1117 Col: 0

30°C Partly sunny