

Code:

```
import random
```

```
import time
```

```
while(1):
```

```
    t=random.randint(0,100)
```

```
    h=random.randint(0,100)
```

```
    if(15<=t<=30):
```

```
        print("Temperature is normal,Temp=",t)
```

```
    elif(t>30):
```

```
        print("Temperature is high,Temp=",t)
```

```
    elif(t<15):
```

```
        print("Temperature is low,Temp=",t)
```

```
    if(30<=h<=50):
```

```
        print("Humidity is normal. Humidity = ",h)
```

```
    elif(h<30):
```

```
        print("Very less humidity. Humidity = ",h)
```

```
    elif(h>50):
```

```
        print("Very high humidity. Humidity = ",h)
```

```
    print()
```

```
    time.sleep(10)
```

```
*temp.py - D:/python/temp.py (3.10.7)*
File Edit Format Run Options Window Help
import random
import time

while(1):
    t=random.randint(0,100)
    h=random.randint(0,100)

    if(15<=t<=30):
        print("Temperature is normal,Temp=",t)
    elif(t>30):
        print("Temperature is high,Temp=",t)
    elif(t<15):
        print("Temperature is low,Temp=",t)
    if(30<=h<=50):
        print("Humidity is normal. Humidity = ",h)
    elif(h<30):
        print("Very less humidity. Humidity = ",h)
    elif(h>50):
        print("Very high humidity. Humidity = ",h)
    print()
    time.sleep(10)
```

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```
*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: D:/python/temp.py =====
Temperature is low,Temp= 3
Very high humidity. Humidity = 59

Temperature is low,Temp= 0
Very less humidity. Humidity = 11

Temperature is low,Temp= 10
Very less humidity. Humidity = 9

Temperature is high,Temp= 62
Very less humidity. Humidity = 16

Temperature is high,Temp= 54
Humidity is normal. Humidity = 47

Temperature is high,Temp= 39
Very high humidity. Humidity = 73

|
```

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