

```
import random
```

```
def temperature():
```

```
    value=random.randint(20,100)
```

```
    return value
```

```
t=temperature()
```

```
def pressure():
```

```
    value=random.randint(10,90)
```

```
    return value
```

```
p=pressure()
```

```
def humidity():
```

```
    range=random.randint(40,100)
```

```
    return range
```

```
h=humidity()
```

```
print('Temp={0:0.1f}*C Humidity={1:0.1f}%'.format(t,h))
```

```
#TEMPERATURE
```

```
if t>30:
```

```
    print(t,"Deg C -- High temperature is detetcted")
```

```
elif t==30:
```

```
    print(t,"Deg C -- Temprature reached maximum thershold of 30 degrees celsius")
```

```
else:
```

```
    print(t,"Deg C -- Temperature is good")
```

```
#HUMIDITY
```

if h>65 :

```
    print(h,"% -- High humidity detetcted")
```

elif h == 65:

```
    print(h,"% -- Humidity reached maximum thershold of 65 percent")
```

else:

```
    print(h,"% -- Humidity is good")
```