

## Assignment 2:

""dht11 sensor ranges are used for temperature and humidity""

```
import random
```

```
from time import sleep
```

```
while True:
```

```
    #Temperature range is 0.00 C to 50.00 C
```

```
    temp = random.randint(0,5000)/100
```

```
    #Relative Humidity range is 20% to 90%
```

```
    humidity = random.randint(20,91)
```

```
    #Warnings for temperature is set for ranges below 10.00 C and above 40.00 C
```

```
    #Warnings for humidity is set for ranges below 30% and above 80%
```

```
    if temp > 40:
```

```
        print("High Temperature detected!!")
```

```
    elif temp < 10:
```

```
        print("Low Temperature detected!!")
```

```
    else:
```

```
        print("Stable temperature")
```

```
    print()
```

```
    if humidity > 80:
```

```
        print("Wet condition is detected")
```

```
    elif humidity < 30:
```

```
        print("Dry condition is detected")
```

```
    else:
```

```
        print("Stable Relative Humidity")
```

```
    print("-----")
```

```
    sleep(2)
```