

Assignment 2

Assignment date	17 September 2022
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Maximum marks	2 marks

Build a python code, assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Solution:

```
import random
```

```
import time
```

```
i=0
```

```
while(i<100):
```

```
    temp = random.randrange(0,50)
```

```
    mois = random.randrange(0,100)
```

```
    print(temp," ",mois,"% ")
```

```
    if(temp > 42):
```

```
        print("High Temperature")
```

```
    elif(temp < 10):
```

```
        print("Low Temperature")
```

```
if(mois > 80):
```

```
    print("Very Humid Weather")
```

```
elif(mois < 20):  
    print("Very Dry Weather")
```

```
i+=1
```

```
time.sleep(2)
```

```
8 84 %  
Low Temperature  
Very Humid Weather  
27 60 %  
34 92 %  
Very Humid Weather  
11 23 %  
5 45 %  
Low Temperature  
48 0 %  
High Temperature  
Very Dry Weather  
15 57 %  
2 46 %  
Low Temperature  
45 41 %  
High Temperature  
43 3 %  
High Temperature  
Very Dry Weather  
30 64 %  
3 70 %  
Low Temperature  
43 27 %  
High Temperature  
6 86 %  
Low Temperature  
Very Humid Weather  
3 90 %  
Low Temperature  
Very Humid Weather  
44 77 %  
High Temperature  
13 83 %  
Very Humid Weather
```