

**Build a python code, Assume you get temperature and Humidity values(generated with random function to a variable) and write a condition to countinuously detect alarm in case of high temperature.**

```
#Temperature and humidity sensing alarm
```

```
import random
```

```
while(True):
```

```
    a=random.randint(10,100)
```

```
    b=random.randint(10,100)
```

```
    if(a>50 and b>100):
```

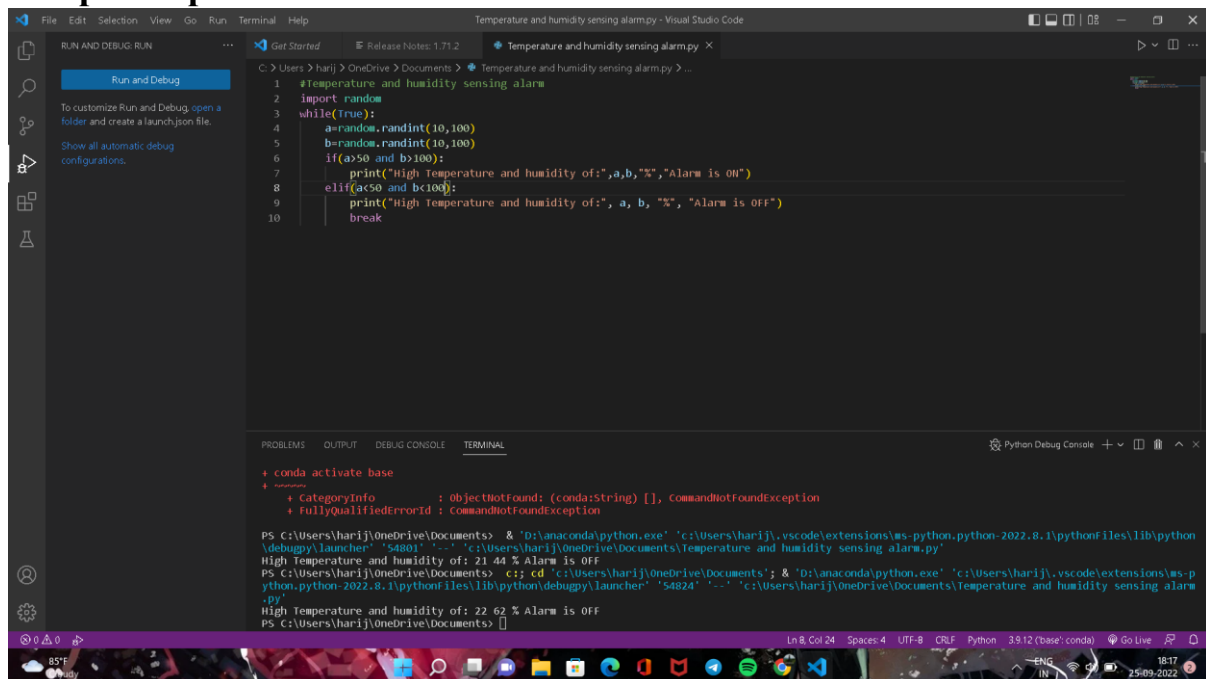
```
        print("High Temperature and humidity of:",a,b,"%","Alarm is ON")
```

```
    elif(a<50 and b<100):
```

```
        print("High Temperature and humidity of:", a, b, "%", "Alarm is OFF")
```

```
    break
```

**Sample output:**



The screenshot shows the Visual Studio Code interface with a Python file named 'Temperature and humidity sensing alarm.py'. The code is as follows:

```
1 #Temperature and humidity sensing alarm
2 import random
3 while(True):
4     a=random.randint(10,100)
5     b=random.randint(10,100)
6     if(a>50 and b>100):
7         print("High Temperature and humidity of:",a,b,"%","Alarm is ON")
8     elif(a<50 and b<100):
9         print("High Temperature and humidity of:", a, b, "%", "Alarm is OFF")
10    break
```

The terminal output shows the execution of the code:

```
PS C:\Users\harij\OneDrive\Documents> & 'D:\anaconda\python.exe' 'c:\Users\harij\.vscode\extensions\ms-python.python-2022.8.1\pythonFiles\lib\python\debugpy\launcher' '54801' '-c' 'c:\Users\harij\OneDrive\Documents\Temperature and humidity sensing alarm.py'
High Temperature and humidity of: 21.44 % Alarm is OFF
PS C:\Users\harij\OneDrive\Documents> & 'D:\anaconda\python.exe' 'c:\Users\harij\.vscode\extensions\ms-python.python-2022.8.1\pythonFiles\lib\python\debugpy\launcher' '54824' '-c' 'c:\Users\harij\OneDrive\Documents\Temperature and humidity sensing alarm.py'
High Temperature and humidity of: 22.62 % Alarm is OFF
PS C:\Users\harij\OneDrive\Documents>
```