

ASSIGNMENT 2

Problem:

Build a python code, assume u 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.

Code:

```
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 :",a,b,"%","Alarm - ON")
```

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

```
        print("High Temperature and Humidity :", a, b, "%", "Alarm - OFF")
```

```
    break
```

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

Output:

```
High Temperature and Humidity : 40 91 % Alarm - OFF

...Program finished with exit code 0
Press ENTER to exit console.
```