

# ASSIGNMENT II

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**DOMAIN:** IOT

**TOPIC:**

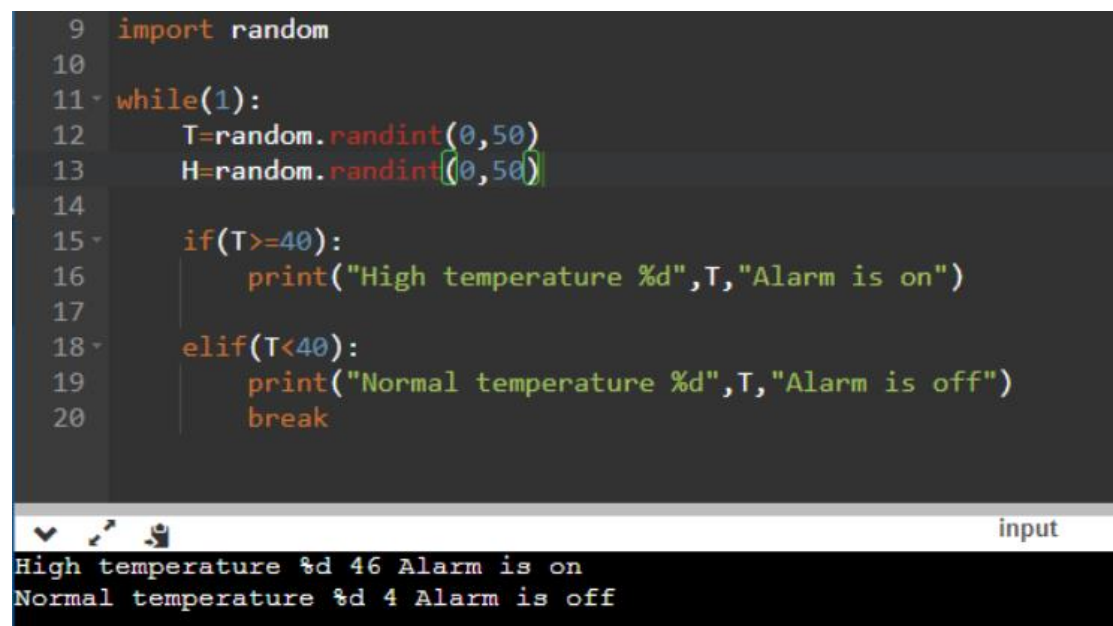
Build a python code, and assume you get Temperature and Humidity values. Write a condition to detect alarms in case of high temperature continuously.

**CODE:**

```
import random

while(1):
    T=random.randint(0,50)
    H=random.randint(0,50)
    if(T>=40):
        print("High temperature %d",T,"Alarm is on")
    elif(T<40):
        print("Normal temperature %d",T,"Alarm is off")
        break
```

**OUTPUT:**

A screenshot of a Python code editor with a dark background. The code is written in a light-colored font. The code is as follows:

```
9 import random
10
11 while(1):
12     T=random.randint(0,50)
13     H=random.randint(0,50)
14
15     if(T>=40):
16         print("High temperature %d",T,"Alarm is on")
17
18     elif(T<40):
19         print("Normal temperature %d",T,"Alarm is off")
20         break
```

Below the code editor, there is a terminal window showing the output of the code. The output is as follows:

```
High temperature %d 46 Alarm is on
Normal temperature %d 4 Alarm is off
```