

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):

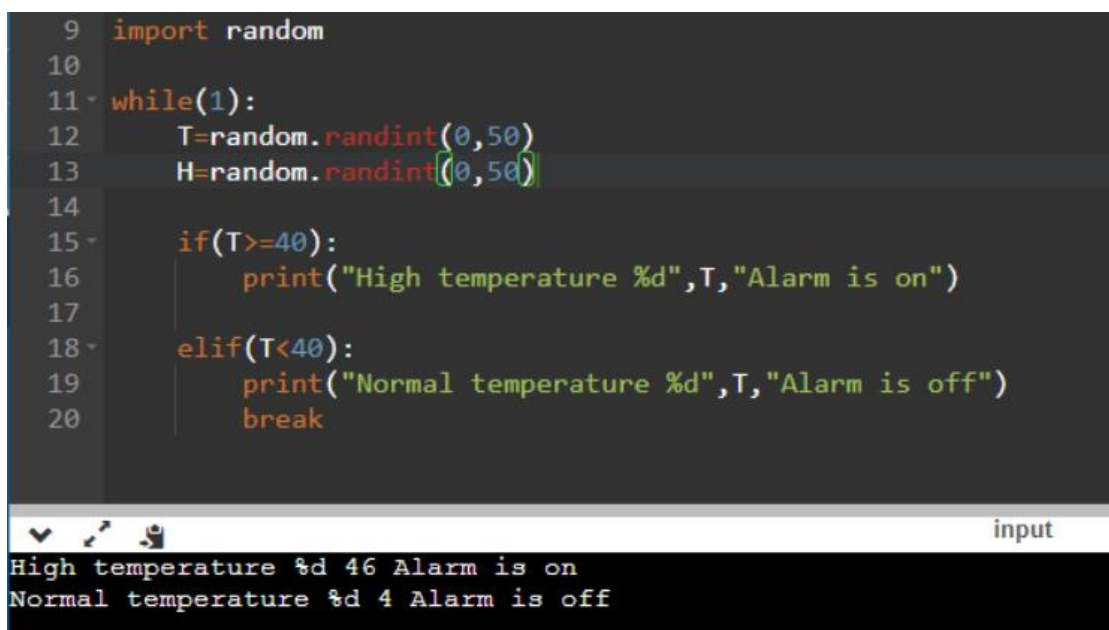
        print("High temperature %d",T,"Alarm is on")

    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. It shows the output of the code: "High temperature %d 46 Alarm is on" and "Normal temperature %d 4 Alarm is off". The terminal window has a title bar that says "input".