

IBM ASSIGNMENT 2

TOPIC : Assignment on temperature and humidity sensing and alarm automation using python

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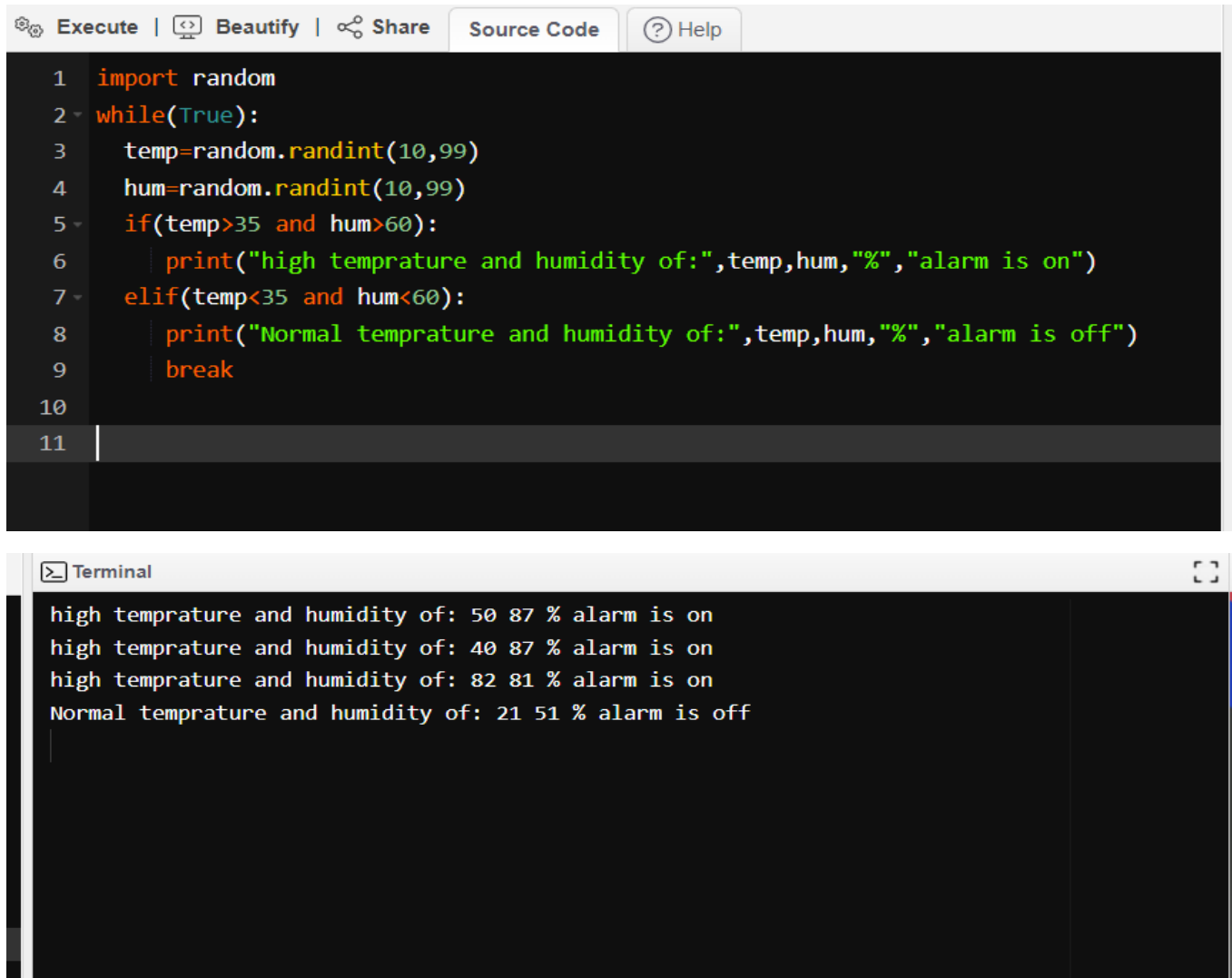
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SOURCE CODE:

```
import random
while(True):
    temp=random.randint(10,99)
    hum=random.randint(10,99)
    if(temp>35 and hum>60):
        print("high temprature and humidity of:",temp,hum,"%","alarm is on")
    elif(temp<35 and hum<60):
        print("Normal temprature and humidity of:",temp,hum,"%","alarm is off")
    break
```

OUTPUT:



The image shows a code editor window with a Python script and a terminal window below it. The code editor has tabs for 'Execute', 'Beautify', 'Share', 'Source Code', and 'Help'. The Python code is as follows:

```
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     hum=random.randint(10,99)
5     if(temp>35 and hum>60):
6         print("high temprature and humidity of:",temp,hum,"%","alarm is on")
7     elif(temp<35 and hum<60):
8         print("Normal temprature and humidity of:",temp,hum,"%","alarm is off")
9         break
10
11
```

The terminal window, titled 'Terminal', shows the output of the program:

```
high temprature and humidity of: 50 87 % alarm is on
high temprature and humidity of: 40 87 % alarm is on
high temprature and humidity of: 82 81 % alarm is on
Normal temprature and humidity of: 21 51 % alarm is off
```