

IBM- NALAYA THIRAN PROJECT

ASSIGNMENT-2

TEMPERATURE AND HUMIDITY SENSING AND ALARM AUTOMATION USING PYTHON

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CODE:

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b>60):

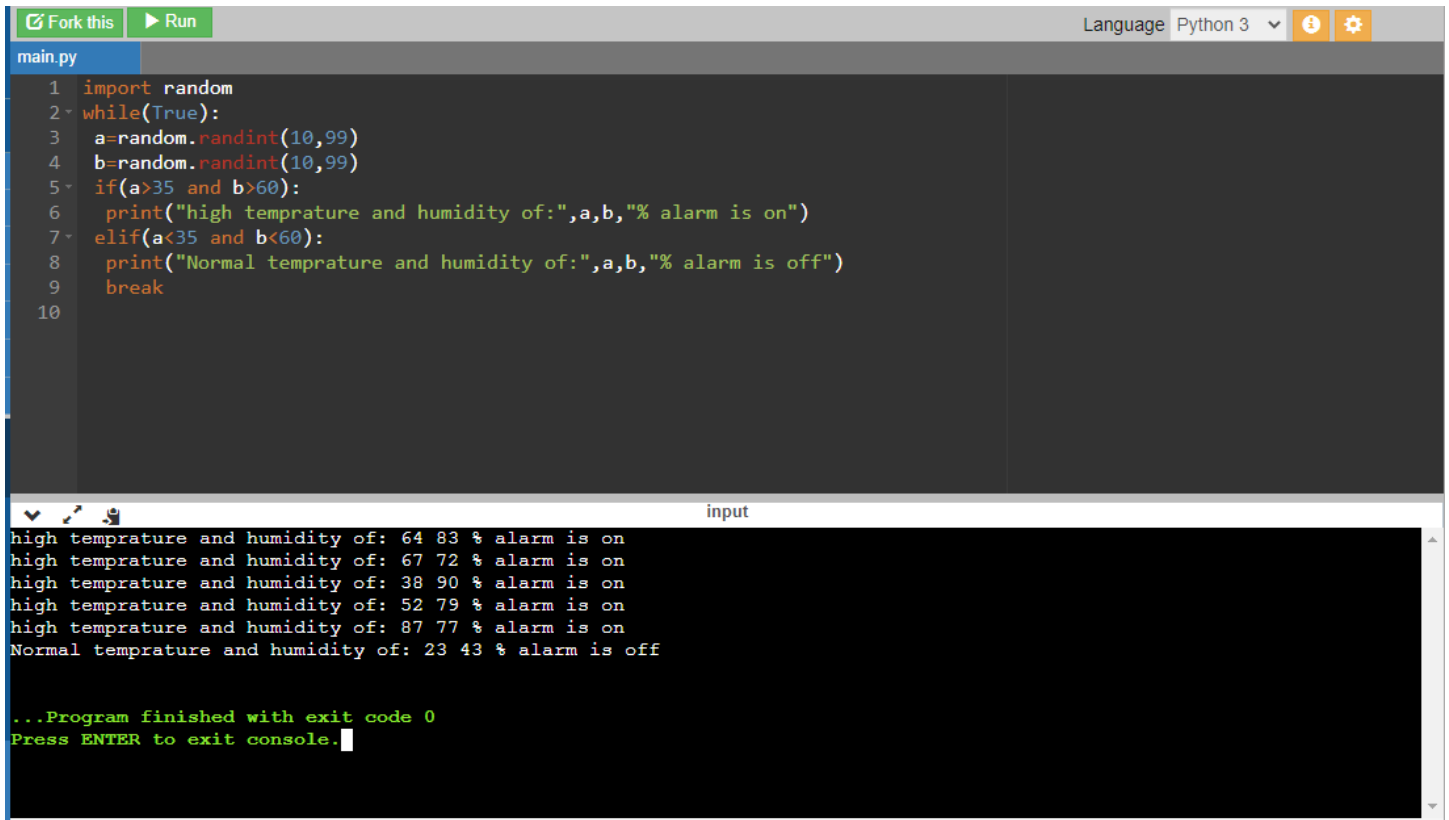
        print("high temprature and humidity of:",a,b,"% alarm is on")

    elif(a<35 and b<60):

        print("Normal temprature and humidity of:",a,b,"% alarm is off")

    break
```

OUTPUT:



The screenshot shows a Python code editor interface. At the top, there are buttons for 'Fork this' and 'Run', and a language dropdown set to 'Python 3'. The file name 'main.py' is visible. The code in the editor is as follows:

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

Below the code editor is a terminal window titled 'input'. It displays the output of the program:

```
high temprature and humidity of: 64 83 % alarm is on
high temprature and humidity of: 67 72 % alarm is on
high temprature and humidity of: 38 90 % alarm is on
high temprature and humidity of: 52 79 % alarm is on
high temprature and humidity of: 87 77 % alarm is on
Normal temprature and humidity of: 23 43 % alarm is off

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