

IBM-NALAYATHIRAN

DOMAIN-IOT

ASSIGNMENT 2- TEMPERATURE AND HUMIDITY
SENSING AND ALARM AUTOMATION USING
PYTHON

BY

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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):

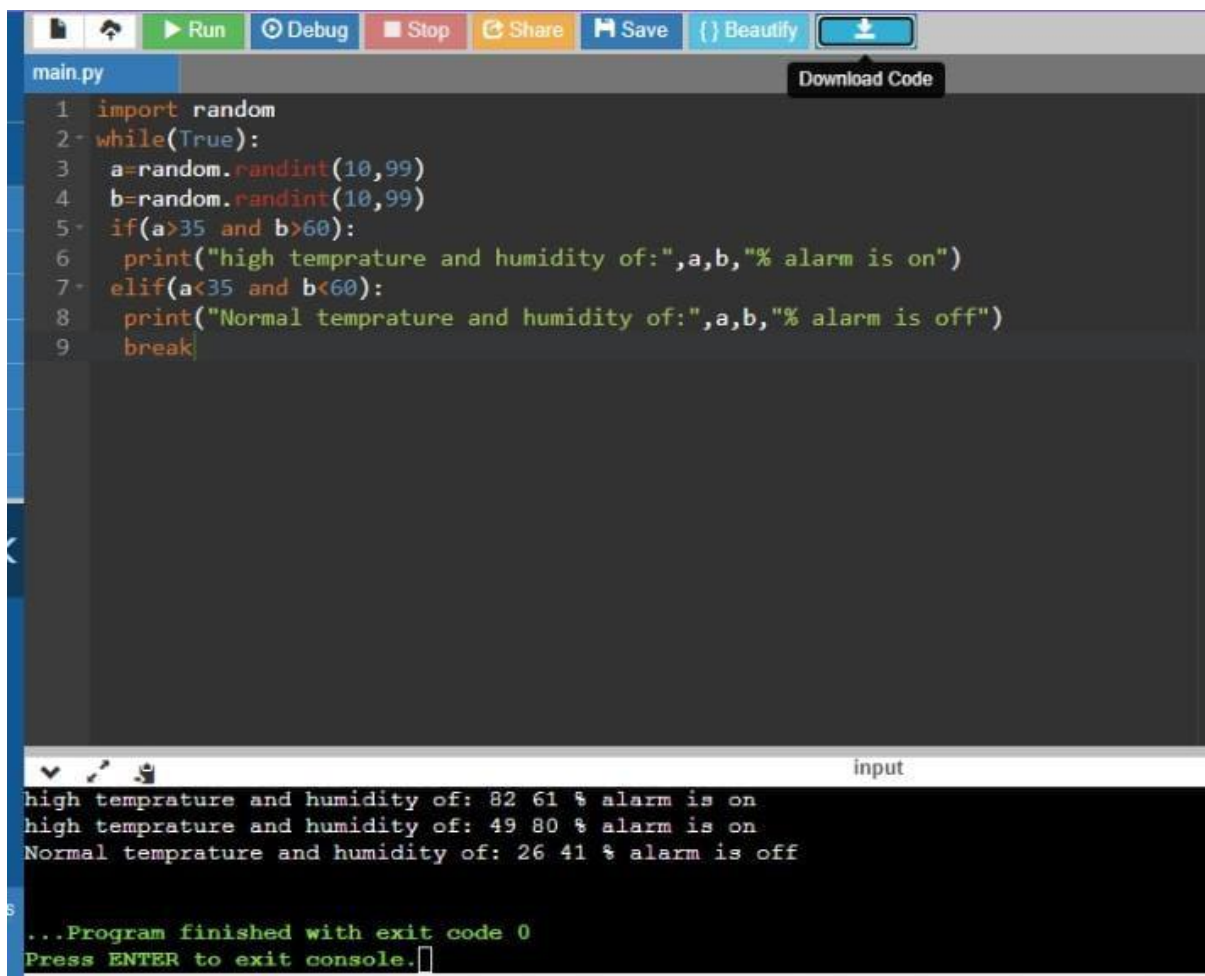
        print("high temprature and humidity of:",a,b,"% alarm is on")

    elif(a<35 and b<60):

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

    break
```

OUTPUT:



The screenshot shows a Python IDE interface. At the top, there is a toolbar with buttons for Run, Debug, Stop, Share, Save, Beautify, and Download Code. Below the toolbar, the code editor displays the same Python code as shown in the previous block. The file name 'main.py' is visible in the top left corner. At the bottom, the console window shows the output of the program. It displays three lines of output: 'high temprature and humidity of: 82 61 % alarm is on', 'high temprature and humidity of: 49 80 % alarm is on', and 'Normal temprature and humidity of: 26 41 % alarm is off'. The console also shows the message '...Program finished with exit code 0' and 'Press ENTER to exit console.'

```
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
```

high temprature and humidity of: 82 61 % alarm is on
high temprature and humidity of: 49 80 % alarm is on
Normal temprature and humidity of: 26 41 % alarm is off

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