

## IBM – Nalaiya Thiran Project Assignment 2

### Temperature and Humidity Sensing and alarm automation using python

By

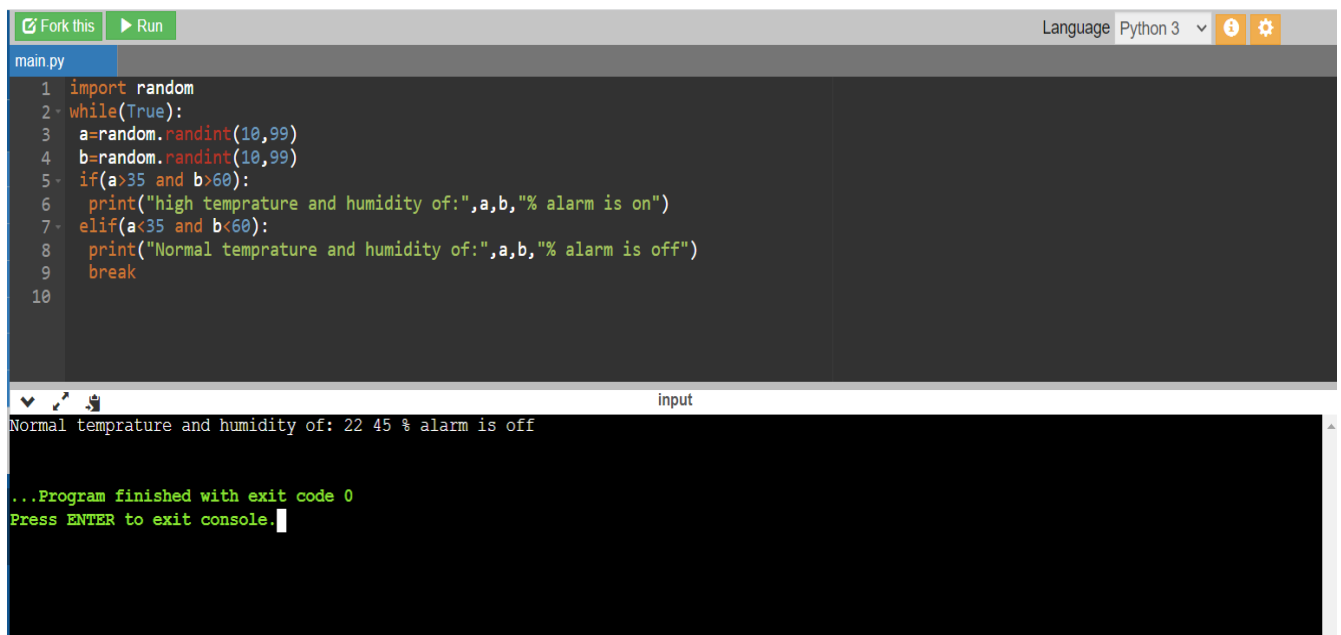
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#### CODE :

```
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 image shows a screenshot of a Python code editor interface. At the top, there are buttons for 'Fork this' and 'Run', and a language selector set to 'Python 3'. The code is written in a file named 'main.py'. The code 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, there is an 'input' field and an output area. The output area shows the result of the program execution: 'Normal temprature and humidity of: 22 45 % alarm is off'. At the bottom, it says '...Program finished with exit code 0' and 'Press ENTER to exit console.'.