

IOT ASSIGNMENT 2

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

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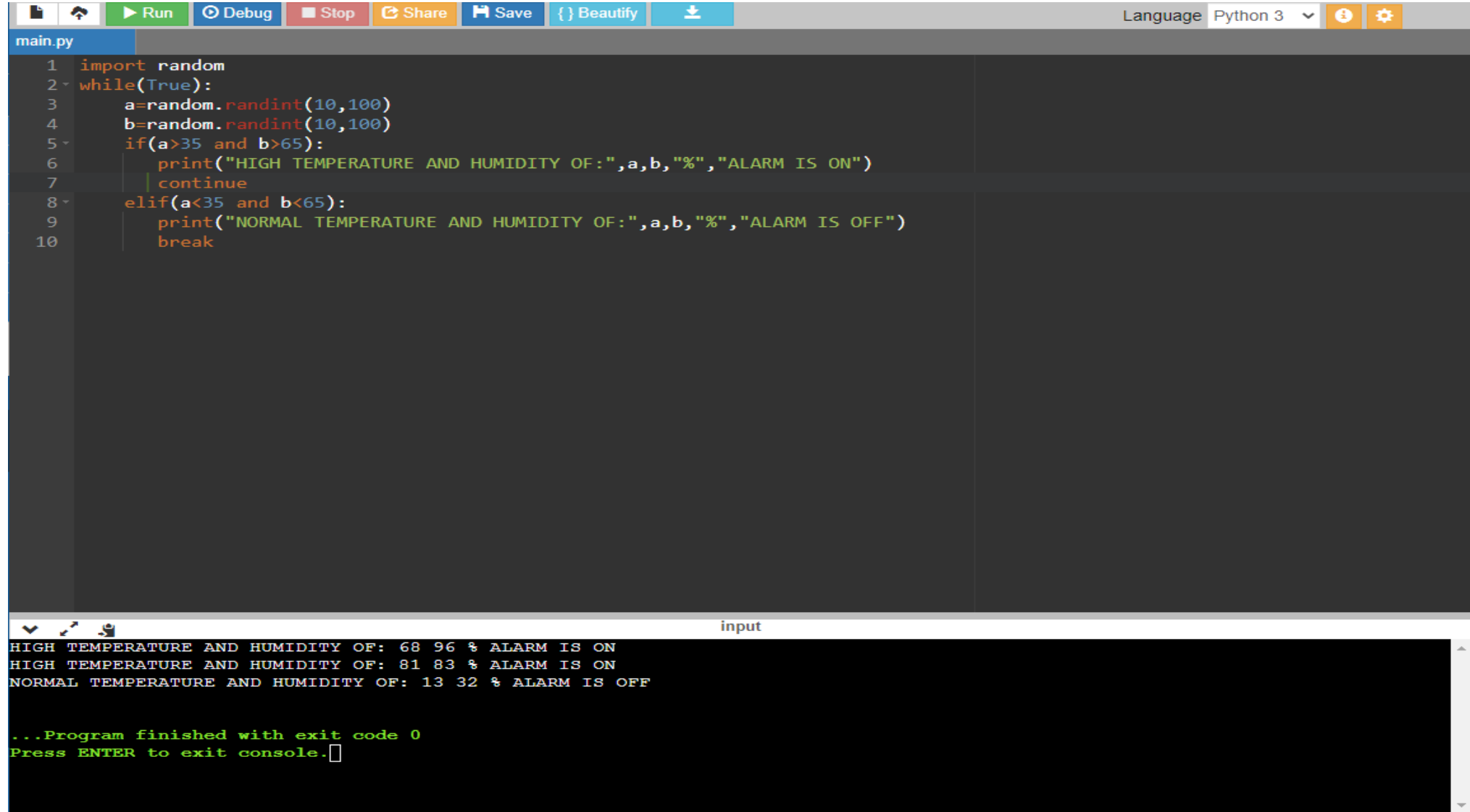
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CODE:

```
import random  
while(True):  
a=random.randint(10,100)  
b=random.randint(10,100)  
if(a>35 and b>65):  
    print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")  
    continue  
elif(a<35 and b<65):  
    print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")  
    break
```

OUTPUT :-



The image shows a screenshot of a Python IDE interface. The top toolbar includes icons for file operations, a 'Run' button, 'Debug', 'Stop', 'Share', 'Save', 'Beautify', and a download icon. The language is set to 'Python 3'. The editor window, titled 'main.py', contains the following Python code:

```
1 import random
2 while(True):
3     a=random.randint(10,100)
4     b=random.randint(10,100)
5     if(a>35 and b>65):
6         print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
7         continue
8     elif(a<35 and b<65):
9         print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
10        break
```

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

```
HIGH TEMPERATURE AND HUMIDITY OF: 68 96 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 81 83 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 13 32 % ALARM IS OFF

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