

Assignment -2

IBM-Project-35034-1660280717

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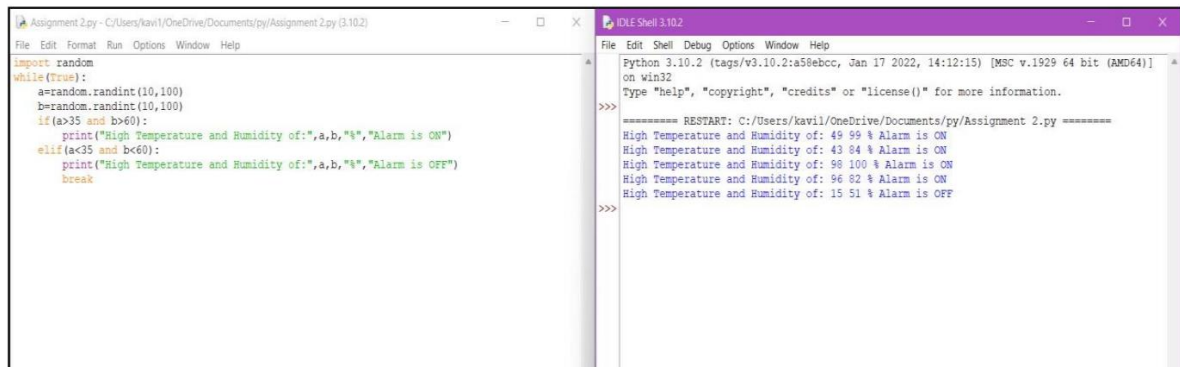
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PROGRAM:

```
import random
while(True):
a=random.randint(10,100)
b=random.randint(10,100)
if(a>35 and b>60):
print("High Temperature and Humidity of:",a,b,"%","Alarm is ON")
elif(a<60):
print("High Temperature and Humidity of:",a,b,"%","Alarm is OFF")
break
```

Output:

The screenshot shows a Python IDE with two windows. The left window, titled 'Assignment 2.py', contains the following code:

```
import random
while(True):
    a=random.randint(10,100)
    b=random.randint(10,100)
    if(a>35 and b>60):
        print("High Temperature and Humidity of:",a,b,"%","Alarm is ON")
    elif(a<60):
        print("High Temperature and Humidity of:",a,b,"%","Alarm is OFF")
    break
```

The right window, titled 'IDLE Shell 3.10.2', shows the output of the program. It starts with a prompt 'Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)]' followed by 'on Win32' and a prompt 'Type "help", "copyright", "credits" or "license()" for more information.' The output then shows a restart message: '===== RESTART: C:/Users/kavil/OneDrive/Documents/py/Assignment 2.py ====='. Below this, the program's output is displayed: 'High Temperature and Humidity of: 49 99 % Alarm is ON', 'High Temperature and Humidity of: 43 84 % Alarm is ON', 'High Temperature and Humidity of: 98 100 % Alarm is ON', 'High Temperature and Humidity of: 96 82 % Alarm is ON', and 'High Temperature and Humidity of: 15 51 % Alarm is OFF'.

