Dr. Mahalingam College of Engineering and Technology

Department of Computer Science and Engineering

IOT Assignment

Topic: Assignment on temperature and humidity sensing and alarm automation using python

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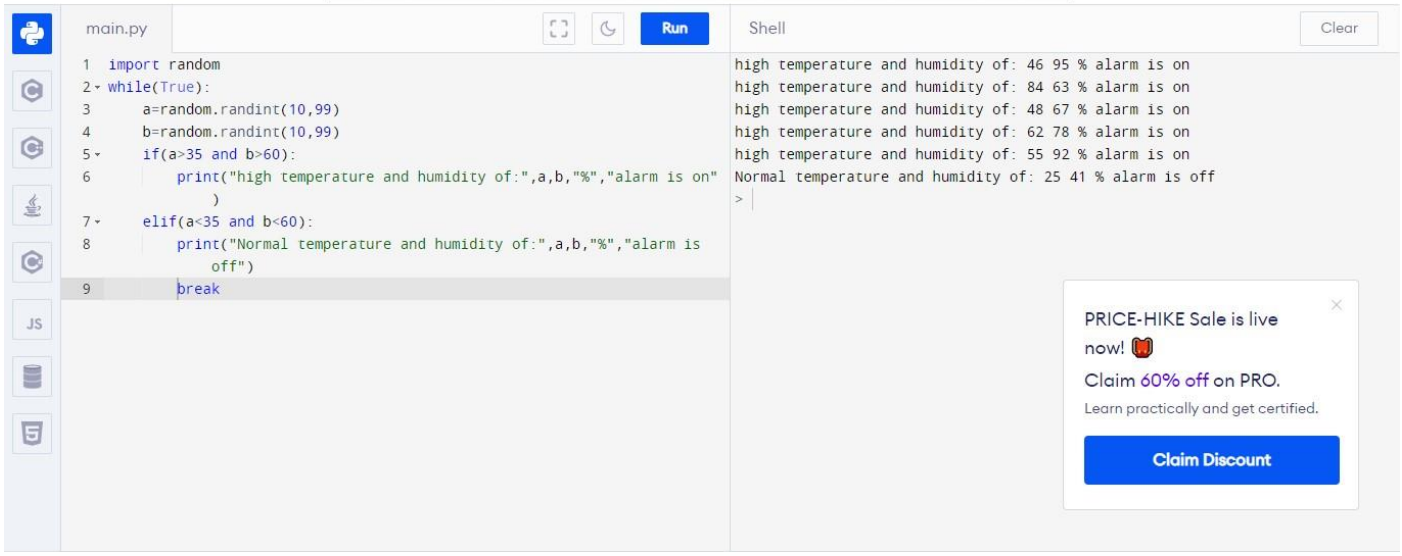
Code:-

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temperature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
        break
```

Output:


main.py
Run
Shell
Clear
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 temperature and humidity of:",a,b,"%","alarm is on"
)
7 elif(a<35 and b<60):
8 print("Normal temperature and humidity of:",a,b,"%","alarm is
off")
9 break
high temperature and humidity of: 46 95 % alarm is on
high temperature and humidity of: 84 63 % alarm is on
high temperature and humidity of: 48 67 % alarm is on
high temperature and humidity of: 62 78 % alarm is on
high temperature and humidity of: 55 92 % alarm is on
Normal temperature and humidity of: 25 41 % alarm is off
>
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