KGiSL INSTITUTE OF TECHNOLOGY

[Department of Electronics & Communication Engineering]

ASSIGNMENT -02

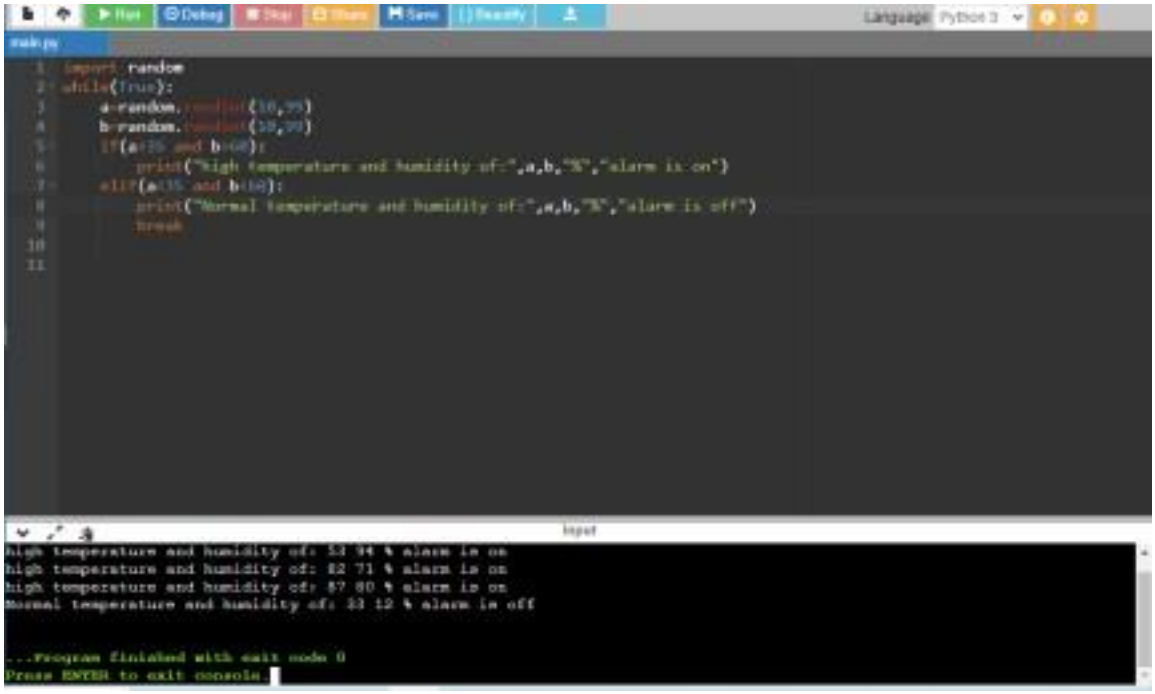
NAME : RAGHUPAL V

TOPIC: Temperature and humidity sensing and alarm automation using python

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:


Run
Debug
Stop
Share
Save
Beautify
Language
Python 3
main.py
import random
while(True):
a=random.randint(10,75)
b=random.randint(10,90)
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
Input
high temperature and humidity of: 53 94 % alarm is on
high temperature and humidity of: 62 71 % alarm is on
high temperature and humidity of: 57 80 % alarm is on
Normal temperature and humidity of: 33 12 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.