RAJALAKSHMI INSTITUTE OF TECHNOLOGY

[Department of Electronics & Communication Engineering]

ASSIGNMENT -02

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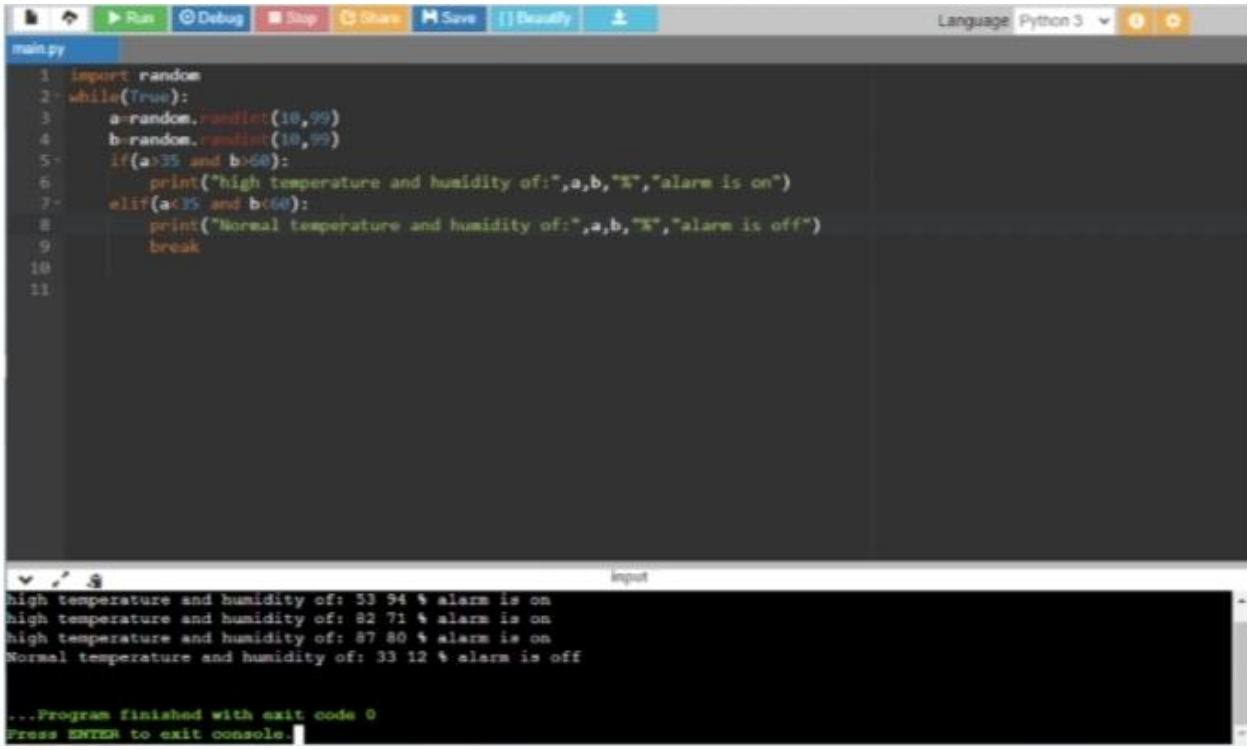
TOPIC: Temperature and humidity sensing and alarm automation

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(10,99)
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
input
high temperature and humidity of: 53 94 % alarm is on
high temperature and humidity of: 82 71 % alarm is on
high temperature and humidity of: 87 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.