IOT ASSIGNMENT - 2

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

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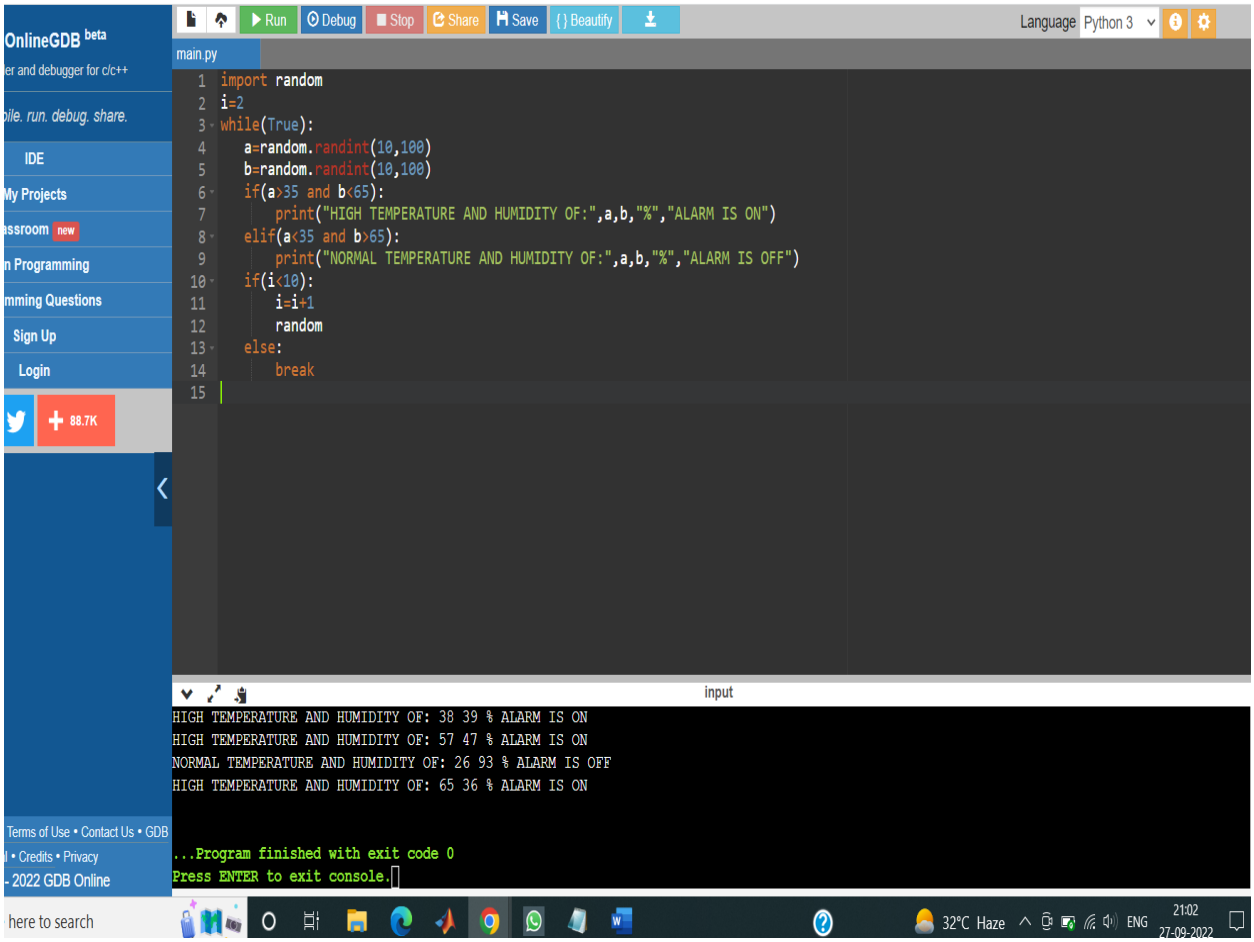
CODE:

```
import random
i=2
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")
  elif(a<35 and b>65):
    print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
  if(i<10):
    i=i+1
    random
  else:
    break
```

OUTPUT:


OnlineGDB beta
Run
Debug
Stop
Share
Save
{ } Beautify
Language Python 3
main.py
import random
i=2
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")
elif(a<35 and b>65):
print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
if(i<10):
i=i+1
random
else:
break
input
HIGH TEMPERATURE AND HUMIDITY OF: 38 39 % ALARM IS ON
HIGH TEMPERATURE AND HUMIDITY OF: 57 47 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 26 93 % ALARM IS OFF
HIGH TEMPERATURE AND HUMIDITY OF: 65 36 % ALARM IS ON
...Program finished with exit code 0
Press ENTER to exit console.
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ENG
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