# ASSIGNMENT-2

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|---|---|
| Date | 02 OCTOBER 2022 |
| Team ID | PNT2022TMID47521 |
| Project Name | IOT based smart crop protection system for agriculture |
| Student name | K.Maheswari |
| Roll number | 910419104009 |

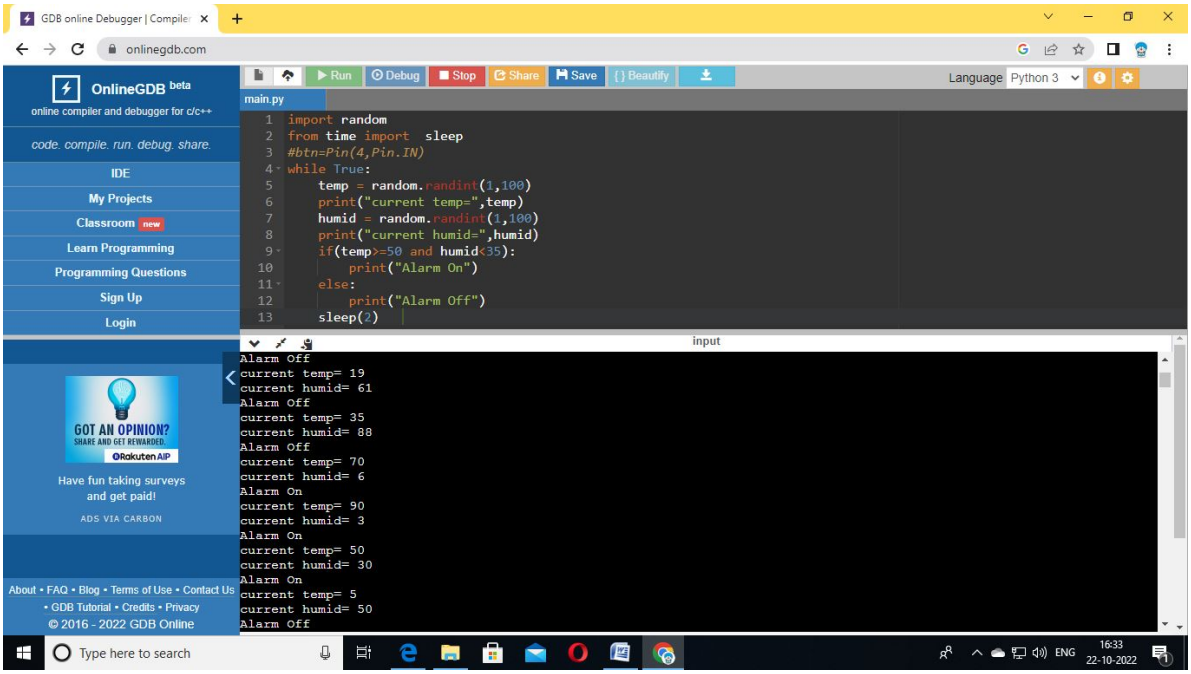
Build a python code ,Assume u get temperature and humidity values and write a condition to continuously detect alram in case of high temperature.

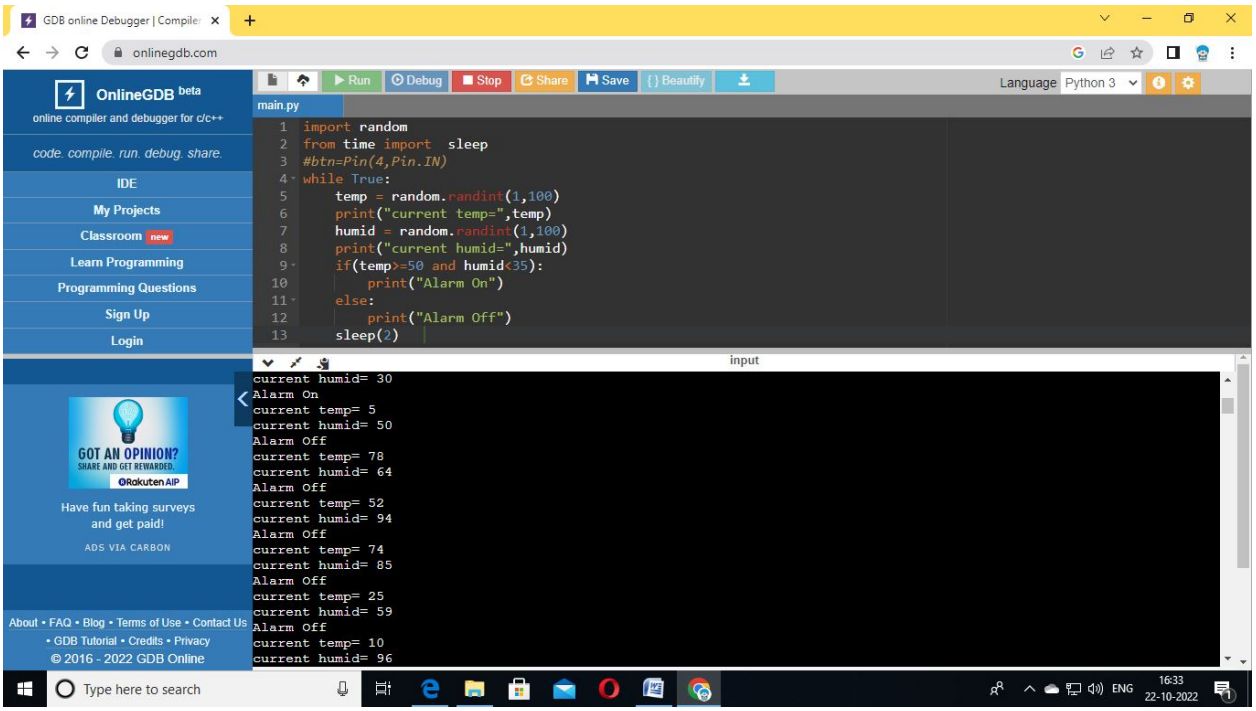
## CODING:

```
import random
from time import  sleep
#btn=Pin(4,Pin.IN)
while True:
    temp = random.randint(1,100)
    print("current temp=",temp)
```

```
humid = random.randint(1,100)
print("current humid=",humid)
if(temp>=50 and humid<35):
    print("Alarm On")
else:
    print("Alarm Off")
sleep(2)
```

# Output:

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Language Python 3
main.py
1 import random
2 from time import sleep
3 #btn=Pin(4,Pin.IN)
4 while True:
5 temp = random.randint(1,100)
6 print("current temp=",temp)
7 humid = random.randint(1,100)
8 print("current humid=",humid)
9 if(temp>=50 and humid<35):
10 print("Alarm On")
11 else:
12 print("Alarm Off")
13 sleep(2)
input
current humid= 30
Alarm On
current temp= 5
current humid= 50
Alarm Off
current temp= 78
current humid= 64
Alarm Off
current temp= 52
current humid= 94
Alarm Off
current temp= 74
current humid= 85
Alarm Off
current temp= 25
current humid= 59
Alarm Off
current temp= 10
current humid= 96
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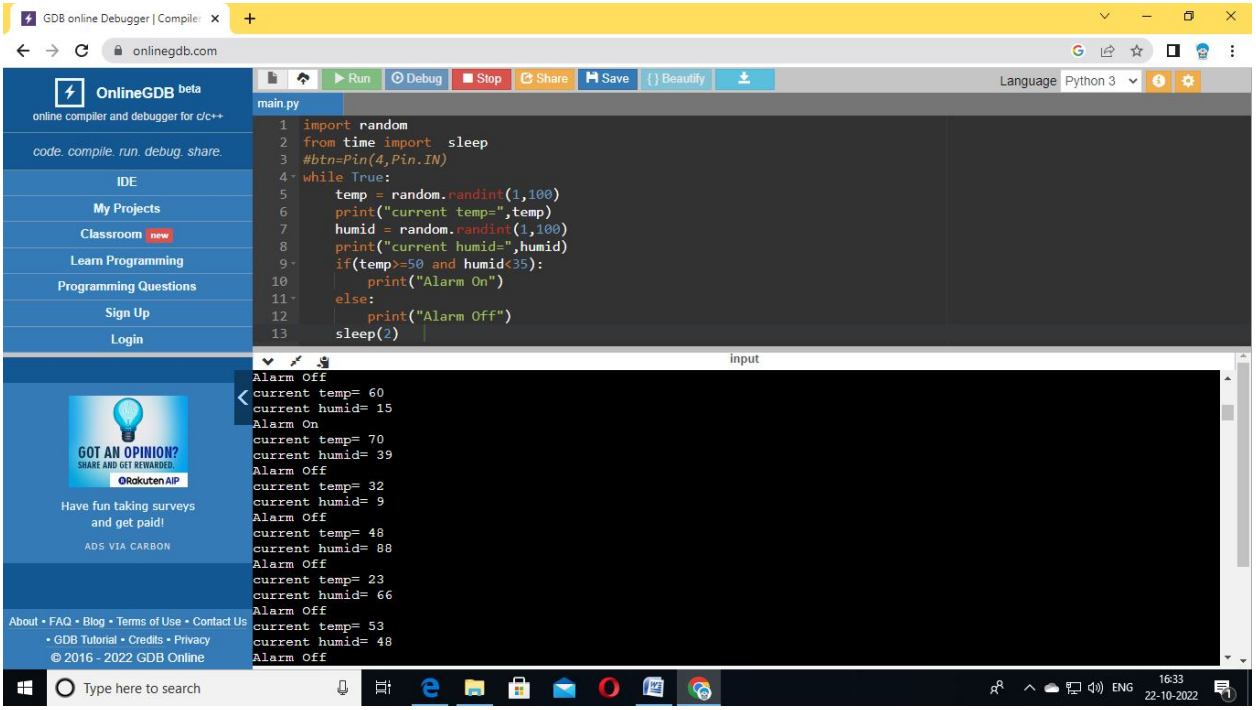
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7 humid = random.randint(1,100)
8 print("current humid=",humid)
9 if(temp>=50 and humid<35):
10 print("Alarm On")
11 else:
12 print("Alarm Off")
13 sleep(2)
input
Alarm Off
current temp= 60
current humid= 15
Alarm On
current temp= 70
current humid= 39
Alarm Off
current temp= 32
current humid= 9
Alarm Off
current temp= 48
current humid= 88
Alarm Off
current temp= 23
current humid= 66
Alarm Off
current temp= 53
current humid= 48
Alarm Off
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