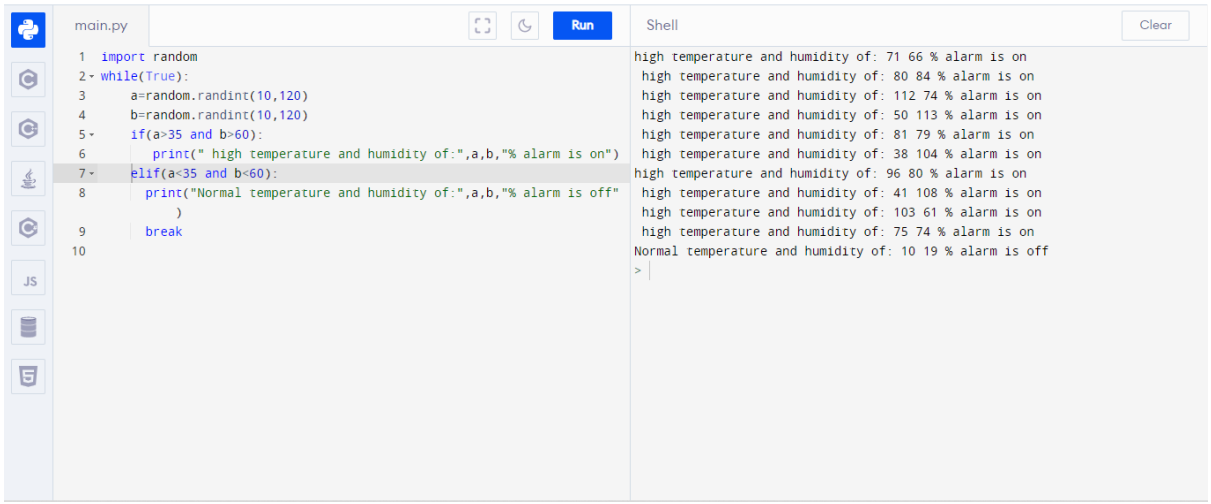
ASSIGNMENT-2

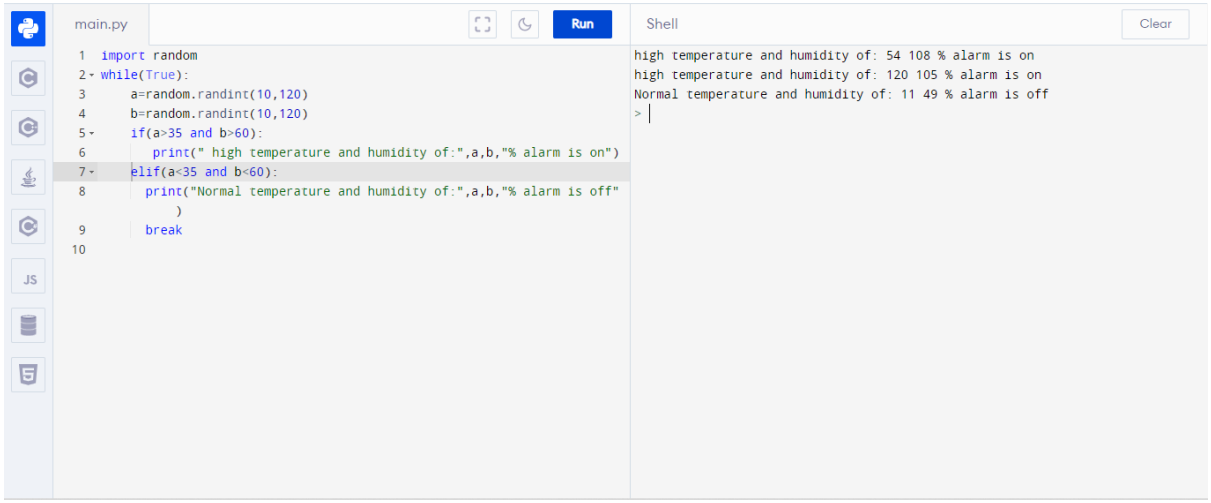
Build a python code, assume that temperature and humidity values generated with random function to a variable and write a condition to continuously detect alarm in case of high temperature.

Program:

```
import random
while(True):
    a=random.randint(10,120)
    b=random.randint(10,120)
      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(10,120)
4 b=random.randint(10,120)
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
10
high temperature and humidity of: 71 66 % alarm is on
high temperature and humidity of: 80 84 % alarm is on
high temperature and humidity of: 112 74 % alarm is on
high temperature and humidity of: 50 113 % alarm is on
high temperature and humidity of: 81 79 % alarm is on
high temperature and humidity of: 38 104 % alarm is on
high temperature and humidity of: 96 80 % alarm is on
high temperature and humidity of: 41 108 % alarm is on
high temperature and humidity of: 103 61 % alarm is on
high temperature and humidity of: 75 74 % alarm is on
Normal temperature and humidity of: 10 19 % alarm is off
>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high temperature and humidity of: 54 108 % alarm is on
high temperature and humidity of: 120 105 % alarm is on
Normal temperature and humidity of: 11 49 % alarm is off
>