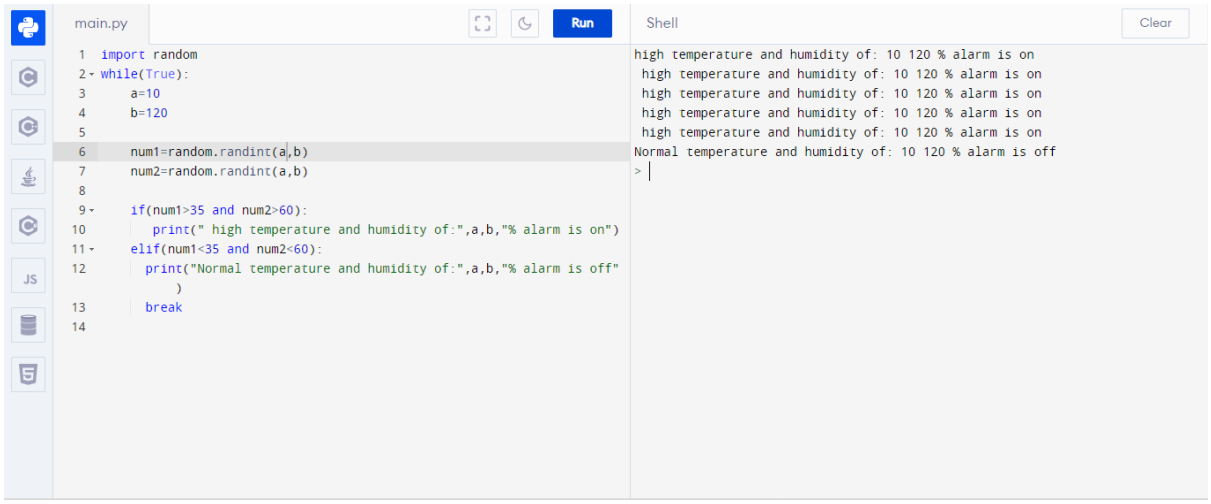
ASSIGNMENT-2

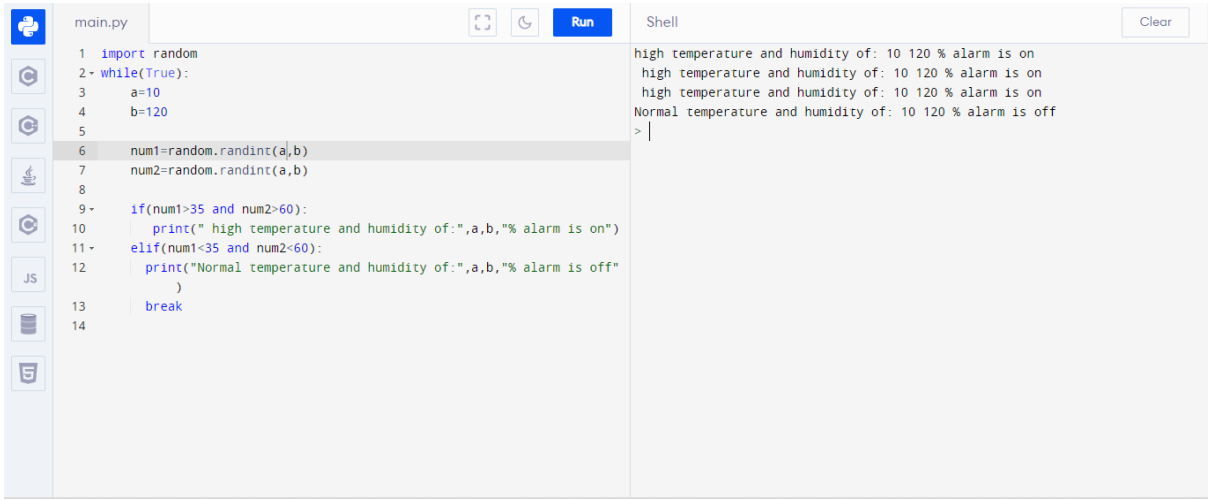
Build a python code, assume that temperature and humidity values generated with random function to a variable and write a condition to continuously detect alarm in case of high temperature.

Program:

```
import random

while(True):

   a=10

   b=120

   num1=random.randint(a,b)

   num2=random.randint(a,b)

   if(num1>35 and num2>60):

      print(" high temperature and humidity of:",a,b,"% alarm
      is on")

   elif(num1<35 and num2<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=10
4 b=120
5
6 num1=random.randint(a,b)
7 num2=random.randint(a,b)
8
9 if(num1>35 and num2>60):
10 print(" high temperature and humidity of:",a,b,"% alarm is on")
11 elif(num1<35 and num2<60):
12 print("Normal temperature and humidity of:",a,b,"% alarm is off"
)
13 break
14
high temperature and humidity of: 10 120 % alarm is on
high temperature and humidity of: 10 120 % alarm is on
high temperature and humidity of: 10 120 % alarm is on
high temperature and humidity of: 10 120 % alarm is on
high temperature and humidity of: 10 120 % alarm is on
Normal temperature and humidity of: 10 120 % alarm is off
>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>