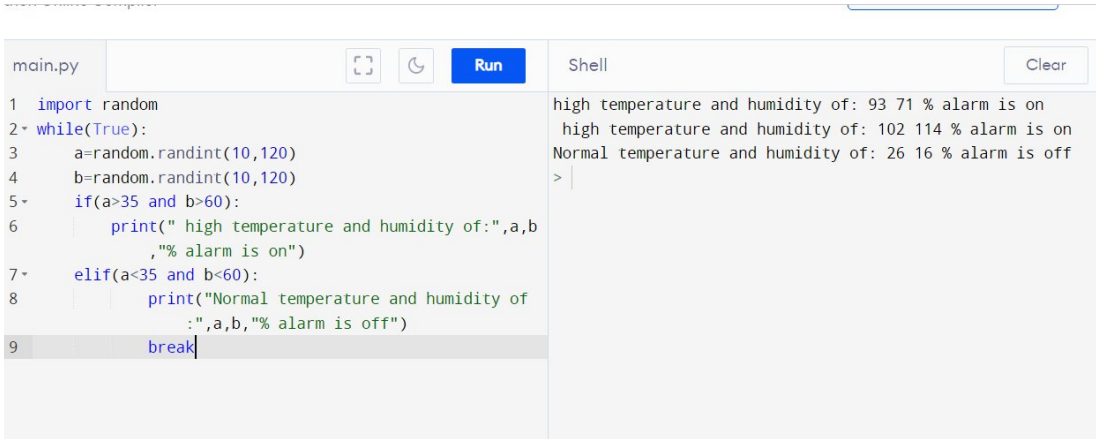
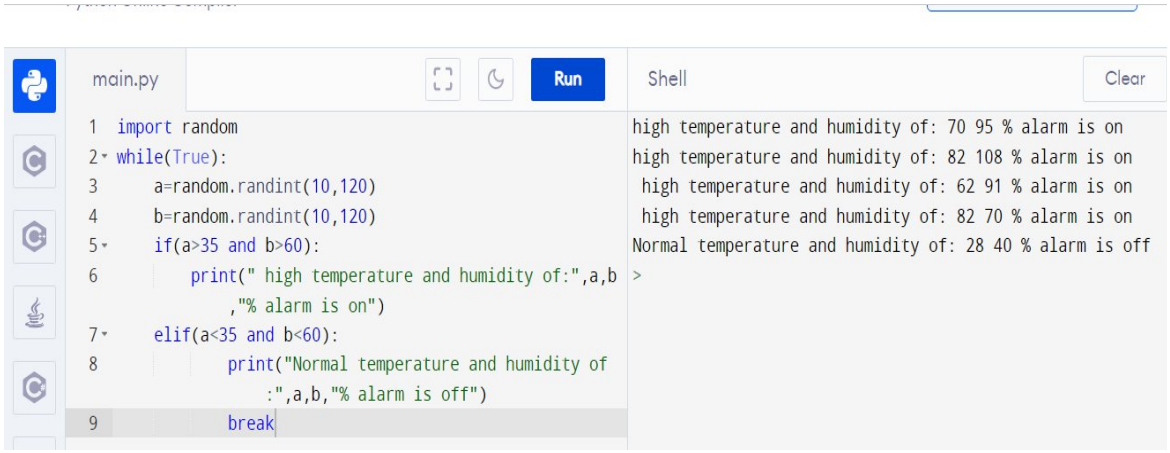
ASSIGNMENT-2

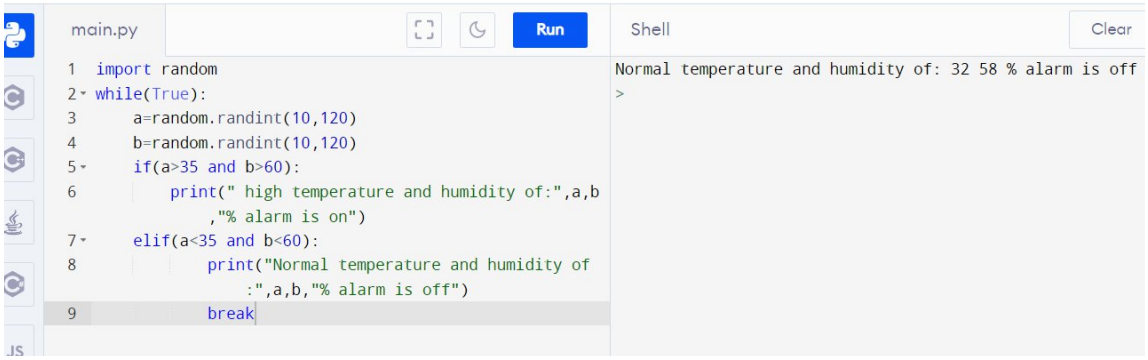
Build a python code, assume that temperature and humidity values generated with random function to a variable and write a condition to continuously detect alarm in case of high temperature.

```
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
high temperature and humidity of: 93 71 % alarm is on
high temperature and humidity of: 102 114 % alarm is on
Normal temperature and humidity of: 26 16 % alarm is off
>


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
high temperature and humidity of: 70 95 % alarm is on
high temperature and humidity of: 82 108 % alarm is on
high temperature and humidity of: 62 91 % alarm is on
high temperature and humidity of: 82 70 % alarm is on
Normal temperature and humidity of: 28 40 % alarm is off
>


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
Normal temperature and humidity of: 32 58 % alarm is off
>