ASSIGNMENT 2

Build a python code, Assume u get 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
temp=random.randint(30,100)
hum=random.randint(30,100)
if (temp>58 and hum>50):
  print("Clear the area")
elif (temp>58 or hum>50):
  if (temp<58 or hum>50):
    print("Humidity is high")
  elif(temp>58 or hum<50):
    print("Temp is high")
elif(temp<58 or hum<50):
  print("everything is fine")
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("High temperature and humidity of:",a,"%",b,"% is
sensed.","\n Alarm is on")
    elif(a<35 and b<60):
        print("Normal temperature and humidity of:",a,"%",b,"%
is sensed","\n Alarm is off")
    break
```

OUTPUT:

Temp is high

High temperature and humidity of: 79 % 63 % is sensed.

Alarm is on>

RESULT: