

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.

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```
import random
temperature=random.randint(1,100)
humidity=random.randint(1,100)
print(temperature)
print(humidity)
if((temperature<50) & (humidity<40)):
    print("temperature is normal")
    print("humdity is normal")
    print("alarm off")
elif((temperature<50)&(humidity >40)):
    print("temperature is low")
    print("humdity is high")
    print("alarm off")
elif((temperature>60)&(humidity <40)):
    print("temperature is high")
```

```
print("humdity is high")
print("alarm on")
elif((temperature>60)&(humidity >40)):
    print("temperature is high")
    print("humdity is low")
    print("alarm on")
else:
    print("temperature is very low")
    print("humidity is low")
    print("alarm off")
```