Assignment -2

Assignment Date	19 September 2022
Student Name	Arthi.V
Student Roll Number	611219106003
Maximum Marks	2 Marks

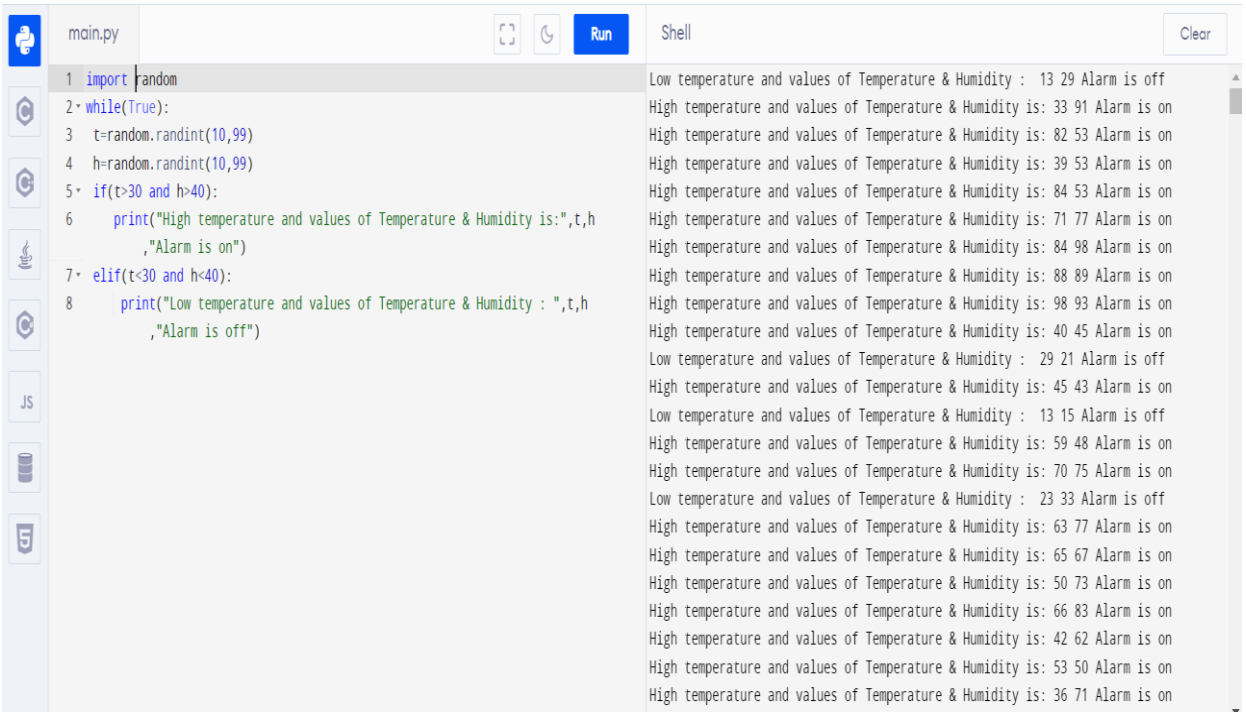
Question:

Build a python code, assume you 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.

Code:

```
import random

while(True):

 t=random.randint(10,99)

 h=random.randint(10,99)

 if(t>30 and h>40):

   print("High temperature and values of Temperature & Humidity
is:",t,h,"Alarm is on")

 elif(t<30 and h<40):

    print("Low temperature and values of Temperature & Humidity :
",t,h,"Alarm is off")
```

Output:


main.py
Run
Shell
Clear
import random
while(True):
t=random.randint(10,99)
h=random.randint(10,99)
if(t>30 and h>40):
print("High temperature and values of Temperature & Humidity is:",t,h
,"Alarm is on")
elif(t<30 and h<40):
print("Low temperature and values of Temperature & Humidity : ",t,h
,"Alarm is off")
Low temperature and values of Temperature & Humidity : 13 29 Alarm is off
High temperature and values of Temperature & Humidity is: 33 91 Alarm is on
High temperature and values of Temperature & Humidity is: 82 53 Alarm is on
High temperature and values of Temperature & Humidity is: 39 53 Alarm is on
High temperature and values of Temperature & Humidity is: 84 53 Alarm is on
High temperature and values of Temperature & Humidity is: 71 77 Alarm is on
High temperature and values of Temperature & Humidity is: 84 98 Alarm is on
High temperature and values of Temperature & Humidity is: 88 89 Alarm is on
High temperature and values of Temperature & Humidity is: 98 93 Alarm is on
High temperature and values of Temperature & Humidity is: 40 45 Alarm is on
Low temperature and values of Temperature & Humidity : 29 21 Alarm is off
High temperature and values of Temperature & Humidity is: 45 43 Alarm is on
Low temperature and values of Temperature & Humidity : 13 15 Alarm is off
High temperature and values of Temperature & Humidity is: 59 48 Alarm is on
High temperature and values of Temperature & Humidity is: 70 75 Alarm is on
Low temperature and values of Temperature & Humidity : 23 33 Alarm is off
High temperature and values of Temperature & Humidity is: 63 77 Alarm is on
High temperature and values of Temperature & Humidity is: 65 67 Alarm is on
High temperature and values of Temperature & Humidity is: 50 73 Alarm is on
High temperature and values of Temperature & Humidity is: 66 83 Alarm is on
High temperature and values of Temperature & Humidity is: 42 62 Alarm is on
High temperature and values of Temperature & Humidity is: 53 50 Alarm is on
High temperature and values of Temperature & Humidity is: 36 71 Alarm is on