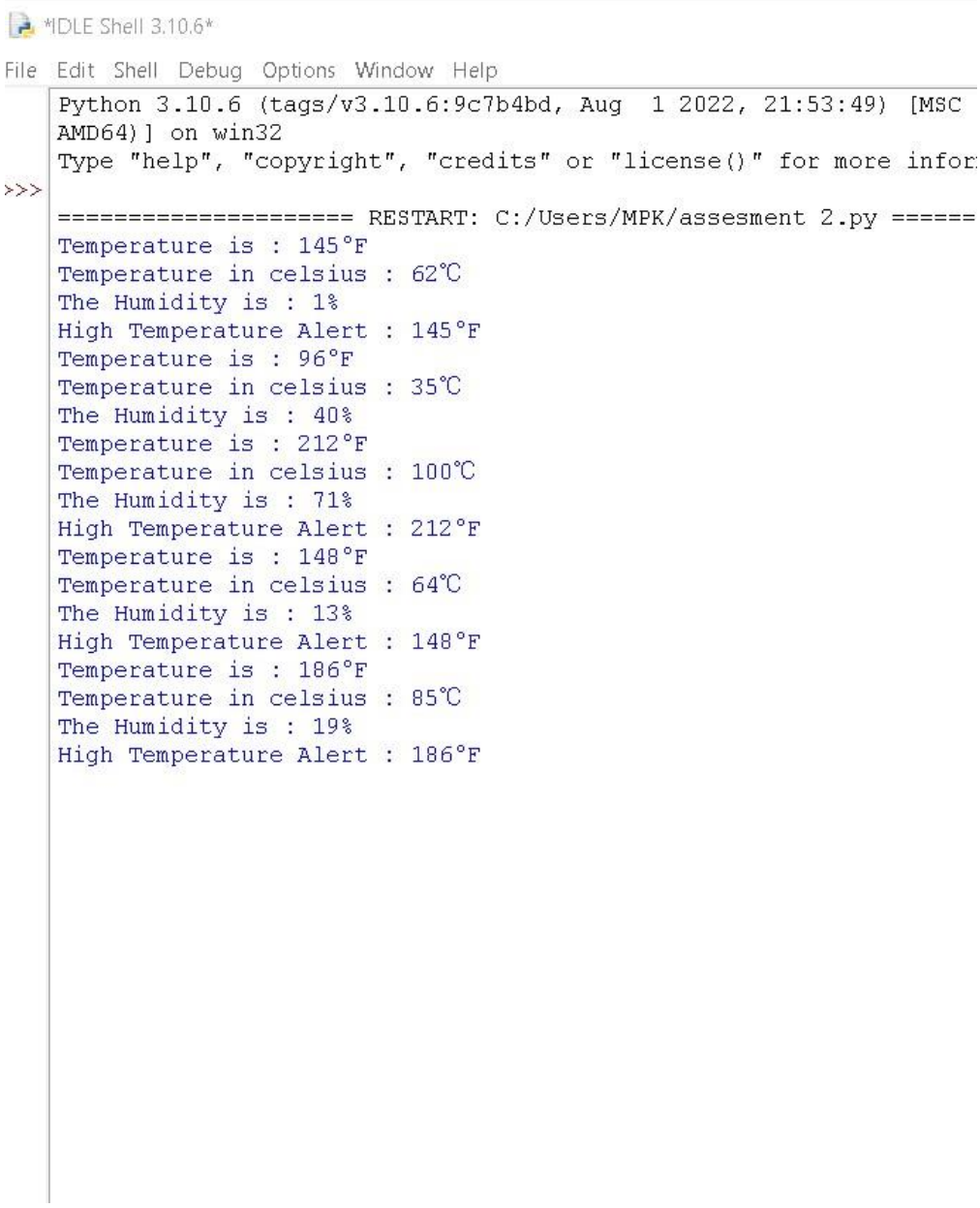
ASSIGNMENT 2

code:

```
# import the random and time library in python script.

import random

import time



# iterate the random values of Temperature and humidity within the
specified range.

while True:

    temperature = random.randint(32, 212)

    humidity = random.randint(0, 100)

    #print the values of Temperature and humidity.

    print("Temperature is : "+str(temperature)+"°F")

    print("Temperature in celsius : "+str(((temperature-32)*5)//9)+"℃")

    print("The Humidity is : "+str(humidity)+"%")

    # check if the temperature values are higher than 100°F.

    if (temperature >= 100):

        print("High Temperature Alert : "+str(temperature)+"°F")

   time.sleep(10)
```

OUTPUT:


IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more infor
>>>
========== RESTART: C:/Users/MPK/assesment 2.py ======
Temperature is : 145°F
Temperature in celsius : 62℃
The Humidity is : 1%
High Temperature Alert : 145°F
Temperature is : 96°F
Temperature in celsius : 35℃
The Humidity is : 40%
Temperature is : 212°F
Temperature in celsius : 100℃
The Humidity is : 71%
High Temperature Alert : 212°F
Temperature is : 148°F
Temperature in celsius : 64℃
The Humidity is : 13%
High Temperature Alert : 148°F
Temperature is : 186°F
Temperature in celsius : 85℃
The Humidity is : 19%
High Temperature Alert : 186°F