Write a program preferably in Python or alternatively in another language that you are familiar with that directly parses the file found on the remote url: “<http://www.fifeweather.co.uk/cowdenbeath/200606.csv>’’ and produces as output:

1. A .txt file containing the answers to the following questions:
   1. Which time of the day is usually the hottest based on the “**Outside Temperature”**
   2. Which are the Top Ten hottest days based on ***average Temperature*** (average out the “***Hi Temperatures”*** over a day to find the average temperature per day)
   3. Which are the Top Ten hottest times (based on “**Outside Temperature*”***)
2. A .txt file containing all of the times where the “***Hi Temperature”*** was 2 degrees higher or lower than 22.3 **and** the “***Low Temperature***” was 3 degrees higher or lower than 10.3.
3. It is said that if the average “***Inside Temperature”*** is more than 21.0, people tend to go outside and party and not staying at their home using their broadband connection. A study indicates that the peak average for these days is 10% percent lower than usual. Produce a .txt file that lists the days that this decrease would appear.
4. You want to forecast the “**Outside Temperature”** for the next month.

Assume that:

* The average temperature for each day of July is constant and equal to 25 degrees.
* For the 2nd of July, the spread of the temperatures across the day with respect to the average temperature is similar to the one found on 2nd of June, for the 3rd of July is similar to the one found on the 3rd of June, etc.

Produce a .csv file with your forecast for July (from 2nd July to 31st July) similar to the format found in the source file, e.g. dd/mm/yyyy ,time, Outside Temperature.

Please send over the source code and the output files.