

The purpose of this project to create a C# application that downloads an Excel file from a website and then converts it into a CSV (comma delimited) file on the local drive.

The site is <https://bakerhughesrigcount.gcs-web.com/intl-rig-count?c=79687&p=irol-rigcountsintl>, and the link to the file is titled 'Worldwide Rig Counts - Current & Historical Data'. We only want the last 2 years of data within the CSV file.

Development should be done in C# .NET6/7/8 and you should not use tools like Selenium or Puppeteer. Third party libraries for HTML parsing or Excel conversion are allowed and recommended. We are looking for robustness and scalability. Unit testing and asynchronous development are preferred.

Please share your full project with all source code on an online repository like Github so we can review.

The output CSV file should look like this:

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1 ,2022, Latin America, Europe, Africa, Middle East, Asia Pacific, Total Intl., Canada, U.S., Total World
2 , Jan, 158, 111, 86, 289, 197, 841, 190, 601, 1632
3 , Feb, 153, 102, 81, 287, 190, 813, 220, 636, 1669
4 , Mar, 160, 78, 87, 303, 187, 815, 185, 661, 1661
5 , Apr, 163, 81, 78, 300, 184, 806, 107, 690, 1603
6 , May, 155, 79, 76, 314, 193, 817, 93, 718, 1628
7 , Jun, 160, 87, 78, 303, 196, 824, 143, 739, 1706
8 , Jul, 163, 87, 78, 309, 196, 833, 186, 756, 1775
9 , Aug, , , , , , , , , ,
10 , Sep, , , , , , , , , ,
11 , Oct, , , , , , , , , ,
12 , Nov, , , , , , , , , ,
13 , Dec, , , , , , , , , ,
14 , Avg., 159, 89, 81, 301, 192, 821, 161, 686, 1668
15 , , , , , , , , , ,
16 ,2021, Latin America, Europe, Africa, Middle East, Asia Pacific, Total Intl., Canada, U.S., Total World
17 , Jan, 119, 94, 51, 251, 162, 677, 137, 369, 1183
18 , Feb, 125, 98, 57, 260, 161, 701, 171, 398, 1270
19 , Mar, 125, 100, 59, 261, 170, 715, 108, 408, 1231
20 , Apr, 118, 97, 61, 252, 167, 695, 58, 436, 1189
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