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| --- | --- | --- | --- |
| Input | Expected output | Actual output | Comments |
| http://fproject-se.ddns.net/?symbol=rfem&mode=30dayreport | Rfem’s data from 2019\_11\_11 to 2019\_12\_06 | Rfem’s data from 2019\_11\_12 to 2019\_12\_06 | Rfem’s data from 2019\_11\_11 is omitted in the output despite it being a weekday (Monday) |
| http://fproject-se.ddns.net/?symbol=googl&mode=30dayreport | Google’s data from 2019\_11\_07 to 2019\_12\_06 | Google’s data from 2019\_11\_12 to 2019\_12\_06 | Google’s data from 2019\_11\_11 is omitted in the output despite it being a weekday (Monday) |
| http://fproject-se.ddns.net/?symbol=aapl&mode=30dayreport | Apple’s data from 2019\_11\_07 to 2019\_12\_06 | Apple’s data from 2019\_11\_12 to 2019\_12\_06 | Apple’s data from 2019\_11\_11 is omitted in the output despite it being a weekday (Monday) |
| http://fproject-se.ddns.net/?symbol=aapl&mode=aggregate&start\_date=2019\_11\_10&date\_end=2019\_12\_09 | Aggregate data from Apple from 2019\_11\_10 to 2019\_12\_09  The min, max, avg, and medium | error "date\_start and date\_end must be in Y-m-d format" | An error message was displayed despite the dates being in the correct format.  Data after 2019\_12\_06 is not available due to lack of data. |
| http://fproject-se.ddns.net/?symbol=googl&mode=popsearch | LastSearchedDate "2019-12-09"  NumSearches 294  NumSearchesPercent 33.754306793213  AvgSearchesPerWeek 36.75  AvgSearchesPerMonth 147 | LastSearchedDate "2019-12-09"  NumSearches 294  NumSearchesPercent 33.754306793213  AvgSearchesPerWeek 36.75  AvgSearchesPerMonth 147 | The pop search for Google displayed the LastSearchedDate, NumberSeraches, NumberSearchesPercent, AvgSearchesPerWeek, and AvgSearchesPerMonth |
| http://fproject-se.ddns.net/?symbol=aapl&mode=popsearch | LastSearchedDate "2019-12-09"  NumSearches 232  NumSearchesPercent 26.453819274902  AvgSearchesPerWeek 29  AvgSearchesPerMonth 116 | LastSearchedDate "2019-12-09"  NumSearches 232  NumSearchesPercent 26.453819274902  AvgSearchesPerWeek 29  AvgSearchesPerMonth 116 | The pop search for Apple displayed the LastSearchedDate, NumberSeraches, NumberSearchesPercent, AvgSearchesPerWeek, and AvgSearchesPerMonth |
| http://fproject-se.ddns.net/?symbol=rfem&mode=popsearch | LastSearchedDate "2019-12-09"  NumSearches 349  NumSearchesPercent 39.749431610107  AvgSearchesPerWeek 43.625  AvgSearchesPerMonth 174.5 | LastSearchedDate "2019-12-09"  NumSearches 349  NumSearchesPercent 39.749431610107  AvgSearchesPerWeek 43.625  AvgSearchesPerMonth 174.5 | The pop search for rfem displayed the LastSearchedDate, NumberSeraches, NumberSearchesPercent, AvgSearchesPerWeek, and AvgSearchesPerMonth |
| http://fproject-se.ddns.net/?symbol=googl&mode=aggregate&date\_start=2019-11-10&date\_end=2019-12-09 | min 1288.86  max 1339.39  avg 1308.7478947368  median 1304.865 | min 1288.86  max 1339.39  avg 1308.7478947368  median 1304.865 | The calculations for Google seem to be accurate. |
| http://fproject-se.ddns.net/?symbol=googl&mode=aggregate&date\_start=2019-12-07&date\_end=2019-12-09 | min 1342.99  max 1342.99  avg 1342.99  median 1342.99 | min 1342.99  max 1342.99  avg 1342.99  median 1342.99 | The only weekday for Google was 2019-12-09 so all of the fields are the same. |
| http://fproject-se.ddns.net/?symbol=rfem&mode=aggregate&date\_start=2019-12-03&date\_end=2019-12-09 | min 60.37  max 61.83  avg 61.0775  median 60.87 | min 60.37  max 61.83  avg 61.0775  median 60.87 | The calculations for rfem seem to be accurate. |
| http://fproject-se.ddns.net/?symbol=aapl&mode=aggregate&date\_start=2016-11-03&date\_end=2016-12-04 | min 105.71  max 111.8  avg 109.97857142857  median 110.025 | min 105.71  max 111.8  avg 109.97857142857  median 110.025 | The calculations for Apple seem to be accurate. |
| http://fproject-se.ddns.net/?symbol=aapl&mode=aggregate&date\_start=2019-11-30&date\_end=2019-12-04 | min 259.45  max 264.16  avg 261.78333333333  median 260.595 | min 259.45  max 264.16  avg 261.78333333333  median 260.595 | The calculations for Apple seem to be accurate. |
| http://fproject-se.ddns.net/?symbol=aapl&mode=aggregate&date\_start=2019-12-02&date\_end=2019-12-05 | min 259.45  max 265.58  avg 262.7325  median 261.74 | min 259.45  max 265.58  avg 262.7325  median 261.74 | The calculations for Apple seem to be accurate. |
| http://fproject-se.ddns.net/?symbol=googl&mode=aggregate&date\_start=2019-12-02&date\_end=2019-12-02 | error "date\_start must be less than date\_end" | error "date\_start must be less than date\_end" | This produces and error since dates cannot be equal to each other. |
| http://fproject-se.ddns.net/?symbol=appl&mode=aggregate&date\_start=2019-12-02&date\_end=2019-12-05 | error "symbol must be rfem, googl or aapl" | error "symbol must be rfem, googl or aapl" | An error occurred because the symbol was imputed incorrectly. |
| http://fproject-se.ddns.net/?symbol=aapl&mode=companyinfo | All of the information on Apple | All of the information on Apple | The fields are displayed with Apple’s information. |
| http://fproject-se.ddns.net/?symbol=aapl&mode=CompanyInfo | Apple’s company information | companyName "Apple, Inc."  exchange "NASDAQ"  industry "Telecommunications Equipment"  website "http://www.apple.com"  description "Apple, Inc. engages in the design, manufacture, and sale of smartphones, personal computers, tablets, wearables and accessories, and other variety of related services. It operates through the following geographical segments: Americas, Europe, Greater China, Japan, and Rest of Asia Pacific. The Americas segment includes North and South America. The Europe segment consists of European countries, as well as India, the Middle East, and Africa. The Greater China segment comprises of China, Hong Kong, and Taiwan. Th"  ceo "Null"  securityName "Apple Inc."  issueType "cs"  sector "Electronic Technology"  primarySicCode "3663"  employees "137000"  address "One Apple Park Way"  address2 "Null"  state "CA"  city "Cupertino"  zip "95014-2083"  country "US"  phone "1.408.996.1010"  tags "Electronic Technology, Telecommunications Equipment" | There is information on the Apple company  Few fields are empty |
| http://fproject-se.ddns.net/?symbol=rfem&mode=CompanyInfo | rfem’s company information | companyName "First Trust Riverfront Dynamic Emerging Markets ETF"  exchange "NASDAQ"  industry "Investment Trusts/Mutual Funds"  website "Null"  description "Null"  ceo "Null"  securityName "First Trust Riverfront Dynamic Emerging Markets ETF"  issueType "et"  sector "Miscellaneous"  primarySicCode "6722"  employees "Null"  address "Null"  address2 "Null"  state "Null"  city "Null"  zip "Null"  country "Null"  phone "Null"  tags "Miscellaneous, Investment Trusts/Mutual Funds" | There is some missing information for rfem because of lack of data on this company |
| http://fproject-se.ddns.net/?symbol=googl&mode=CompanyInfo | Google’s company information | companyName "Alphabet, Inc."  exchange "NASDAQ"  industry "Internet Software/Services"  website "http://abc.xyz"  description "Alphabet, Inc. is a holding company, which engages in the business of acquisition and operation of different companies. It operates through the Google and Other Bets segments. The Google segment includes its main Internet products such as Ads, Android, Chrome, Commerce, Google Cloud, Google Maps, Google Play, Hardware, Search, and YouTube. The Other Bets segment includes businesses such as Access, Calico, CapitalG, GV, Nest, Verily, Waymo, and X. The company was founded by Lawrence E. Page and Sergey Mikhaylov"  ceo "Null"  securityName "Alphabet Inc. Class A"  issueType "cs"  sector "Technology Services"  primarySicCode "7375"  employees "98771"  address "1600 Amphitheatre Parkway"  address2 "Null"  state "CA"  city "Mountain View"  zip "94043"  country "US"  phone "1.650.253.0000"  tags "Technology Services, Internet Software/Services" | All of the company information on Google is completed |