Instructions

Objective: Get a Table with the trade information for each bond associated with the symbols (names) in the attached list

For each row in the spreadsheet,

https://docs.google.com/spreadsheets/d/1v0iUqtNfwWn0FEBvLE8lLBeas7uuvyGc/edit?usp=sharing&ouid=117663069503383380802&rtpof=true&sd=true

1 Go to the search page https://finra-markets.morningstar.com/BondCenter/Default.jsp?part=3

Clear "Issuer Name" input field if not empty.

Clear "Symbol/Cusip" input field if not empty.

Input the information for the "Symbol" that appears in the first column of the attached list.

Click on "Advanced Search"

Change the Trade date "From" field to "12/31/2010"

Change the Trade date "To" field to "09/15/2021"

Click on the "Bonds" button in the "All Show Results As". Should be as "Bonds" (this is the default, normally)

Click on "SHOW RESULTS", it is near to "Advanced Search" Title, at the middle of the page

2.- The first time to run, it will go to the agreement page, click on "Agree", otherwise, go to the next step,

3, If there is an empty resulting list, Go back to the page
https://finra-markets.morningstar.com/BondCenter/Default.jsp?part=3

 Clear "Issuer Name" input field

 Clear "Symbol/Cusip" input field

Input the information for the "Issuer Name" in the respective row that appears in the attached list.

Click on "Advanced Search"
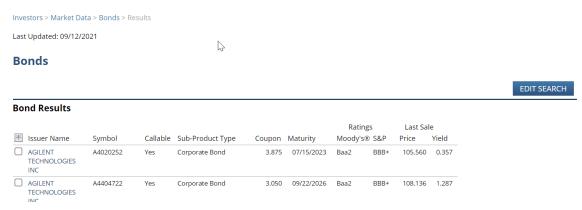
Change the Trade date "From" field to "12/31/2010"

Change the Trade date "To" field to "09/15/2021"

Click on the "Bonds" button in the "All Show Results As". Should be as "Bonds" (this is the default, normally)

Click on "SHOW RESULTS", it is near to "Advanced Search" Title, at the middle of the page

4 If no results are found, report the information of the "Symbol/Cusip" and "Issuer Name" in a "No results" csv file

5 If there is a list with rows, each row corresponds to a different bond. Go through each row (and page) and click on the column of the row with heading "Isuer name"

Last Updated: 09/12/2021

Bonds

EDIT SEARCH

Bond Results

	Issuer Name	Symbol	Callable	Sub-Product Type	Coupon	Maturity	Ratings Moody's®	S&P	Last Sale Price	Yield
☐	AGILENT TECHNOLOGIES INC	A4020252	Yes	Corporate Bond	3.875	07/15/2023	Baa2	BBB+	105.560	0.357
☐	AGILENT TECHNOLOGIES INC	A4404722	Yes	Corporate Bond	3.050	09/22/2026	Baa2	BBB+	108.136	1.287

5 You must be at a page like the following one

https://finra-markets.morningstar.com/BondCenter/BondDetail.jsp?ticker=C594945&symbol=A4020252

With the fields of the ticker and symbol changes depending on the bond, for this bond, "C594945" and "A4020252" are the ticker and symbol fields.

20 Click in the top center, on "Trade History"

21 Change the From "date field" to "12/31/2010" (December 31, 2010) and the To "date field" to "09/15/21 (September 15, 2021)

22 Click on "GO"

23 You must be at a page like:

https://finra-markets.morningstar.com/BondCenter/BondTradeActivitySearchResult.jsp?ticker=C594945&startdate=12%2F31%2F2010&enddate=09%2F12%2F2021

With head as

Bond Trade Activity Search Results

From 09/12/2020 to 09/12/2021 [GO]   Glossary of Terms

Issue: **A4020252**   Description: **AGILENT TECHNOLOGIES INC**

Date ▼	Execution Time	Settlement	Status	Quantity	Price	Yield	Remuneration	ATS	Modifier	2n
9/10/2021	16:03:07	9/14/2021	Trade	20000	105.660	0.296	M		_	
9/10/2021	16:03:07	9/14/2021	Trade	20000	105.560	0.357		Y	_	
9/10/2021	14:35:08	9/14/2021	Trade	20000	105.679	0.284	M		_	

In an output table, Include the following information in each row, corresponding to each row of the previous table

From the URL of the page, copy the "ticker" "field".

From the top of the page,

   the "Issue" field,

   the "description" field,

From each row copy the value in the columns with title "Date"(1), "Time"(2)., "Status")(4) "Quantity"(5) "Price"(6),

You can omit the rest of the columns

In this example of url, the ticker field is "C594945" and the "issue" field is A4020252"

The Trade sheet to deliver must have as head the row

"Ticker" "Issue" "Description" "Date" "Time" "Status" "Quantity" "Price"

so the first three rows of the output table must be:

C594945, A4020252, AGILENT TECHNOLOGIES INC, 9/10/2021,16:03:07, Trade, 20000, 105.660

C594945, A4020252, AGILENT TECHNOLOGIES INC, 9/10/2021,16:03:07, Trade, 20000, 105.560

C594945, A4020252, AGILENT TECHNOLOGIES INC, 9/10/2021,16:03:08, Trade, 20000, 105.679,

Store the information on a general output table in a csv file

24 Click on "Next" if there are more Trade Pages for the "ticker" and repeat from step 23

25 Go back to the general list of bonds of the symbol, that is, to the list in 17, do the same for the next row in the list. If necessary, change pages

25 At the end of the trades for the "Symbol" or "Issuer Name", go to the next row in step 1, that is repeat the process from step 1 for each "Symbol" and, if necessary, "Issuer Name" in the attached list

26 From the general spreadsheet, for each date and ticker, get the last row (trade) for each date (the one with the latter time in each date) that did not have in the "Status" field the word "Cancel", and copy all the information in the row in a "last trade each day for each ticker" table as an output "Last Trade", in a CSV file