

[illegible]

Also make sure the Formula of Vlookup will be applied only until when data is there in the column, handle this with IF CONDITIONS in that same formula.

**For Industry Column:** =ArrayFormula(IF(A2:A<>"", VLOOKUP(A2:A,'NSE/BSE Code'!A4:C,2,0),""))

**For NSE/BSE Code Column:** =ArrayFormula(IF(A2:A<>"",VLOOKUP(A2:A,'NSE/BSE Code'!A4:C,3,0),""))

Copy of Stock Market Tracking

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K2.L1559 =ArrayFormula(IF(A2:A<>"",VLOOKUP(A2:A,"NSE/BSE Code : IAA-C-2,8","")))

#	A	B	C	D	E	F	G	H	I	J
1	Current price	P/E Ratio	\$2 Week High	% Below \$2 week high	\$2 Week Low	% Above \$2 Week low	Yesterday Closing Price	% Change	Industry	NSE/BSE Code
2	2467.90	25.09	2856.15	13.59%	2180	13.21%	2471.6	-0.15%	Telecom and all	RELIANCE
3	3374.2	30.43	4045.5	16.59%	2926	15.32%	3334.6	1.19%	ITC	BOM:523549
4	2620.8	63.91	2741.6	4.41%	1901.55	37.81%	2590.05	1.18%	FMCG	HINDUNILVR
5	6202.05	13	7025	42.05%	4270	41.15%	606	0.86%	Bank	BOM:505112
6	2619.25	19.81	2953.8	10.72%	2026	26.26%	2612.8	0.25%	Financial Services	HDFC
7	712.7	23.63	820	22.53%	588	21.21%	705.55	1.01%	Insurance	BOM:543526
8	764.6	65.86	860.55	11.15%	626.75	21.61%	756.9	1.02%	Telecom	BHARTIARTL
9	4677	36.52	5045	25.71%	5220	14.50%	4698.4	1.33%	BAFINANCE	BAFINANCE
10	1780.5	25.87	1997.55	10.87%	1631	9.17%	1779.5	0.06%	Bank	KOTAKBANK
11	2153.75	31.53	2210.5	2.67%	1498.6	47.64%	2160.2	-0.30%	Infrastructure	BOM:500510
12	933.8	15.67	970	4.22%	816.25	16.25%	939.9	-0.16%	Automobile	AUSANKAR
13	2912	76.19	3502.9	18.73%	2560	13.75%	2915.95	-0.14%	Paint	ASIANPAINT
14	8454.2	42.1	9769	13.46%	6536.55	29.34%	8369.2	1.02%	Pharma	MARUTI
15	1031.05	60.4	1070.95	3.73%	768.8	31.38%	1032.85	-0.17%	Pharma	SUNPHARMA
16	1381.2	40.48	1524.2	8.65%	1024.35	31.11%	1387.9	0.23%	Financial Services	BAJAJFINSV
17	2417.65	66.59	2790	13.35%	1827.15	32.32%	2445.65	-1.14%	Retail	BOM:500114
18	7244.95	31.35	7646	8.82%	5157.05	40.49%	7153.35	1.28%	Cement	ULTRACEMCO
19	19793.2	88.1	21500	6.02%	16500	23.64%	19673.25	-0.46%	FMCG	NESTLEIND
20	1327.65	15.15	1366.55	2.71%	97.50	97.50%	1319.9	0.66%	M&M	M&M
21	120.45	5.13	138.63	13.11%	82.71	45.63%	118.05	2.03%	Infrastructure	BOM:500470
22	1307	78.07	1346.35	2.49%	1003.5	30.24%	1315.7	-0.66%	Insurance	SBI LIFE
23	65.2	65.12	67.01	2.84%	497.05	91.04%	59.6	0.84%	Insurance	HDFC LIFE
24	2513	96.38	2619.55	13.91%	1985.55	26.37%	2495.5	0.70%	Chemical	PIDILITIND
25	4289.8	34.73	4293.25	0.08%	4147.45	3.43%	4279.2	0.25%	ITC	BOM:540005
26	4328	65.9	4537	4.61%	3050	41.80%	4299.25	0.67%	FMCG	BRITANNIA
27	518.7	57.38	548.15	5.20%	274	68.21%	514	1.63%	Cement	BOM:500231
28	3602.45	17.79	4151.75	12.81%	3125	15.26%	3570.3	0.90%	Automobile	BAJAJ-AUTO
29	1002.8	16.8	1751	42.72%	943.7	6.26%	1001.55	0.12%	ITC	TECHM
30	544	55.79	610.75	10.93%	492.25	12.80%	544.65	-0.17%	Bank	DABUR
31	184.9	9.72	624.5	68.93	105.67	18.93%	181.9	1.71%	FMCG	BOM:532148
32	916.75	58.81	955.65	4.85%	660.2	38.66%	914.9	0.20%	FMCG	BOM:523424
33	3352.15	29.74	4668	28.59%	3195.15	4.81%	3305.3	1.42%	Pharma	DIVISLAB
34	24326.75	14.07	27848.5	14.51%	21768.52	27.71%	23583.65	-2.71%	Cement	SHREECEMENT
35	3164.9	37.12	3689.65	18.63%	2169.55	46.56%	3103.25	1.99%	Automobile	EXCHENORAT
36	786.05	35.28	1028.65	23.55%	655.7	19.86%	760.15	0.73%	Pharma	CPLA
37	1132.08	61.22	1420.85	20.76%	780.13	31.05%	1087.53	4.42%	Financial Services	SEBI CARD
38	1167.65	85.04	1405.55	18.93%	1024.5	13.96%	1182.8	2.10%	Consumer Electrical	HAVELLS
39	752.8	67.04	861.15	12.58%	650.2	15.78%	754.25	-0.19%	FMCG	TATACONSUM
40	468.9	78.92	645.35	27.73%	430	9.05%	464.7	0.90%	Insurance	ICICI Pru
41	294.55	25.89	356	18.6%	190	0.44%	295.65	-0.36%	Infrastructure	BOM:500405
42	497.5	52.21	554.35	10.26%	455.85	9.15%	501.6	-0.82%	FMCG	MARICO
43	846.75	46.19	958	11.81%	712	18.93%	857.75	-1.28%	Spirits	MCDOWELL-N
44	20.15	45.52	24.75	16.59%	12.11	66.39%	19.9	1.26%	Bank	BOM:533448
45	364	57.65	474.85	23.61%	243.6	33.75%	361.65	0.36%	Paint	BERGENDIN
46	2732	21.08	2908.6	7.03%	2146.85	27.26%	2694.25	1.40%	Automobile	HEROMOTORS
47	716.45	13.58	848	15.28%	607.8	18.21%	716.05	-0.06%	Agrochemical	BOM:519700
48	77.15	67.22	164.53	52.86%	30.25	61.46%	81.45	-1.28%	Automobile	BOM:52724
49	641	57.32	918.85	30.22%	557	15.06%	640.65	0.05%	Chemical	IRCTC
50	3262	48.33	3698.45	11.80%	2333.55	39.79%	3292.65	-0.93%	Grocery	PIND
51	3731.8	8.76	5790	35.55%	3314	12.61%	3719.3	0.34%	Technology	BOM:532777
52	999.5	39.03	1177	15.08%	810	19.62%	1005.2	-0.57%	Automobile	BOM:532343
53	22241	5.36	22499	1.15%	15514	43.36%	22162.55	0.35%	Automobile	ABTODINIA
54	2148	33.2	2507.35	14.33%	1690	27.10%	2150.75	-0.13%	AMC	HDFC AMC
55	40260	61.16	54349.1	25.52%	27525	6.44%	40639.05	-0.93%	Tea	PAGENO
56	2229	30.72	2507.45	11.97%	1660.55	27.14%	2214.55	0.87%	Automobile	BAJAJINDO
57	4494	76.92	5095.45	11.97%	3270.6	37.06%	4454.45	0.89%	Pharma	DR

+ Data Set

NSE/BSE Code

Copy of Data Set

Final Sheet

Copy of Stock Market Tracking

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**For Cap Size Column:** =ArrayFormula(IF(B2 >= \$Q\$196, "Large Cap", IF(AND(B2 >= \$Q\$197, B2 < \$Q\$196), "Medium Cap", "Low Cap")))

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**Query Used:**  
**For New Sheet:** =QUERY('Copy of Data Set'!1:220, "SELECT \* WHERE Col15 = 'Good Stock'", 1)

Copy of Stock Market Tracking

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ID	Stock	Market cap [in Rs Cr.]	Current price	P/E Ratio	52 Week High	% Below 52 week high	52 Week Low	% Above 52 week low	Yesterday Closing Price	% Change	Industry	NSE/BSE Code	Bear Mode 1	Bear Mode 2	Stock Status	Cap Size
1	HUL	61630.31	2620.80	63.81	2741.60	0.04	1901.55	0.38	2590.05	1.95%	FMCG	HINDUNILVR	No	No	Good Stock	Low Cap
2	SBI Bank	5162.82	600.05	11.93	615.00	0.81	420.00	0.47	595.00	-0.83%	Bank	BOM50002	No	No	Good Stock	Low Cap
3	LAT	30267.17	2153.75	31.53	2210.50	0.03	1456.80	0.48	2160.20	+0.50%	Infrastructure	BOM50050	No	No	Good Stock	Low Cap
4	Axis bank	28732.29	933.30	16.67	970.00	0.04	698.25	0.51	935.55	-1.83%	Bank	AXISBANK	No	No	Good Stock	Low Cap
5	Sun pharma	24778.65	1011.05	60.40	1070.35	0.04	784.50	0.18	1032.85	+0.79%	Pharma	SUNPHARMA	No	No	Good Stock	Low Cap
6	Unitedbank cement	20875.80	7244.55	31.35	7946.00	0.09	5197.05	0.40	7163.35	1.31%	Cement	ULTRACEMCO	No	No	Good Stock	Low Cap
7	M&M	18786.37	1327.55	16.12	1366.55	0.03	671.15	0.98	1319.50	0.58%	Automobile	M&M	No	No	Good Stock	Low Cap
8	Tata Steel	14723.00	120.45	5.13	128.63	0.13	62.71	0.40	118.55	2.01%	Infrastructure	BOM50047P	No	No	Good Stock	Low Cap
9	Ambuja Cement	12295.36	518.70	57.36	558.15	0.13	274.00	0.89	510.40	1.61%	Cement	BOM50042S	No	No	Good Stock	Low Cap
10	Bank of Baroda	9556.88	184.90	9.72	197.20	0.06	85.90	1.06	181.80	1.71%	Bank	BOM53214	No	No	Good Stock	Low Cap
11	Global Consumer	9367.98	95.75	58.81	955.65	0.04	660.20	0.39	944.50	0.26%	FMCG	BOM53242A	No	No	Good Stock	Low Cap
12	Shree Cement	8708.03	24025.00	54.17	27936.75	0.14	17865.20	0.34	23854.85	0.77%	Cement	SHEECEM	No	No	Good Stock	Low Cap
13	Eicher Motor	8554.23	384.30	17.12	389.85	0.19	219.55	0.47	363.25	1.91%	Automobile	EICHERMOT	No	No	Good Stock	Low Cap
14	Vodafone	7359.48	184.80	31.21	142.05	0.27	597.23	1.04	187.30	+0.42%	Food	BOM54090	No	No	Good Stock	Low Cap
15	Vishakh	5737.94	20.15	45.52	24.75	0.18	15.00	0.66	19.50	1.35%	Bank	BOM53268	No	No	Good Stock	Low Cap
16	PI Industries	49475.63	3262.00	48.33	3698.45	0.12	2333.55	0.40	3292.05	+0.13%	Agrochemical	PIND	No	No	Good Stock	Low Cap
17	TPL	4760.95	995.50	33.23	1077.00	0.15	511.00	0.55	1005.20	-0.57%	Automobile	BOM53243	No	No	Good Stock	Low Cap
18	Alkermid India	4758.12	22241.00	53.60	22490.00	0.01	15504.00	0.43	2262.55	0.35%	Pharma	ALBERTINIA	No	No	Good Stock	Low Cap
19	Balkrishna Industries	4395.87	2229.00	16.72	2537.45	0.12	1650.55	0.32	2244.25	0.67%	Tyre	BALKRISHND	No	No	Good Stock	Low Cap
20	Polycom	39945.46	2862.00	35.00	3025.00	0.12	2048.85	0.30	2877.05	-0.84%	Consumer Electrical	POLYCOM	No	No	Good Stock	Low Cap
21	Road India	38855.64	4138.00	61.66	4555.95	0.04	2960.05	1.01	4340.15	-0.53%	Defence	BOM53172S	No	No	Good Stock	Low Cap
22	APL Apollo	38477.05	1186.00	54.90	1933.85	0.05	771.00	0.47	1227.95	0.17%	Steel	BOM53375H	No	No	Good Stock	Low Cap
23	Suguna Industries	33831.92	2461.00	59.12	2657.65	0.06	1666.25	0.48	2452.70	0.34%	Plastic	SUGUNIND	No	No	Good Stock	Low Cap
24	Federal Bank	23278.45	138.45	17.78	142.25	0.03	82.90	0.68	135.05	2.51%	Bank	BOM50048	No	No	Good Stock	Low Cap
25	Sunamkoma Chemicals	24673.83	493.20	48.50	540.80	0.09	391.50	0.48	487.95	1.06%	Agrochemical	SUNACHEM	No	No	Good Stock	Low Cap
26	J K Cement	22435.69	2900.45	36.07	3646.25	0.20	2005.00	0.45	2905.90	+0.67%	Cement	BOM50264	No	No	Good Stock	Low Cap
27	UC Housing Finance	2205.97	462.30	6.85	443.50	0.09	291.75	0.38	450.20	-0.67%	NBFC	BOM50023	No	No	Good Stock	Low Cap
28	Endurance Technology	19679.44	1318.50	42.23	1736.15	0.19	1047.20	0.34	1401.15	+0.93%	Automobile Ancillary	ENDURANCE	No	No	Good Stock	Low Cap
29	ITC	18827.05	696.35	59.82	714.25	0.09	440.00	0.58	692.45	0.56%	IT	BOM54291	No	No	Good Stock	Low Cap
30	Fine Organics	17277.20	5685.00	31.00	7128.75	0.23	3407.10	0.63	5672.25	+0.54%	Chemical	FINEORG	No	No	Good Stock	Low Cap
31	Ekois Battery	1556.99	182.85	3.39	194.20	0.06	130.20	0.40	182.65	0.15%	Automobile Ancillary	EKOIND	No	No	Good Stock	Low Cap
32	KBI Industries	12966.07	1416.05	30.59	1662.45	0.14	1065.20	0.59	1435.30	0.66%	Consumer Electrical	BOM507669	No	No	Good Stock	Low Cap
33	Finolex Fluids	10644.74	173.00	16.81	204.50	0.15	128.00	0.35	170.90	1.21%	Piping	BOM50040	No	No	Good Stock	Low Cap
34	UTI AMC	10284.29	897.20	21.59	1096.05	0.26	595.00	0.36	812.40	-0.70%	AMC	BOM53028	No	No	Good Stock	Low Cap
35	IFEC	10216.79	71.60	36.15	101.35	0.28	51.00	0.43	72.90	-1.82%	Talc	BOM54031	No	No	Good Stock	Low Cap
36	Amcor India India	9647.33	576.50	17.50	668.15	0.12	438.00	0.12	570.95	+0.44%	Automobile Ancillary	AMABALBAT	No	No	Good Stock	Low Cap
37	Poly Medicare Ltd	8584.67	891.50	16.12	1044.40	0.15	652.30	0.37	897.90	-0.57%	Healthcare	BOM53176H	No	No	Good Stock	Low Cap
38	Finolex Corle	8461.66	553.40	15.60	593.50	0.07	343.00	0.61	539.85	2.91%	Consumer Electrical	FINCORLE	No	No	Good Stock	Low Cap
39	Amal India	7701.43	38.60	16.36	38.25	0.16	27.00	0.40	38.15	0.16%	Pharma	BOM532482	No	No	Good Stock	Low Cap
40	ICIICI Bank	7401.47	873.25	20.88	958.00	0.09	642.00	0.36	861.20	1.40%	Bank	BOM53274	No	No	Good Stock	Low Cap
41	craftsmen automobiles	7204.34	3465.10	35.75	3709.95	0.07	1880.00	0.88	3449.80	0.03%	automobile	BOM543276	No	No	Good Stock	Low Cap
42	Career Education	6993.17	5214.00	31.00	6047.35	0.13	3593.40	0.50	5222.00	+0.44%	Ceramics	BOM532463	No	No	Good Stock	Low Cap
43	Datto Postman	6307.83	1227.10	59.65	1480.00	0.07	575.00	1.13	1611.25	-5.67%	Technology	BOM543428	No	No	Good Stock	Low Cap
44	Isomany home Innovation Ltd	3335.19	462.25	33.36	480.40	3.78%	258.95	78.01%	471.25	-1.78%	Kitchen Appliances	BOM542305	No	No	Good Stock	Low Cap
45	Atatic Unispacecons	3279.73	1689.30	33.56	2,285.65	26.07%	1276.15	30.81%	1635.25	2.08%	Pharma	BOM53318	No	No	Good Stock	Low Cap
46	Modi bank	3279.61	988.10	41.73	1,057.85	6.50%	648.05	52.47%	991.15	-0.29%	Retail	BOM53390	No	No	Good Stock	Low Cap
47	Globalcom International	1754.80	165.55	11.83	229.41	20.54%	76.75	41.81%	165.4	6.60%	Pharma	BOM532729	No	No	Good Stock	Low Cap

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## 2.) Report Dashboarding

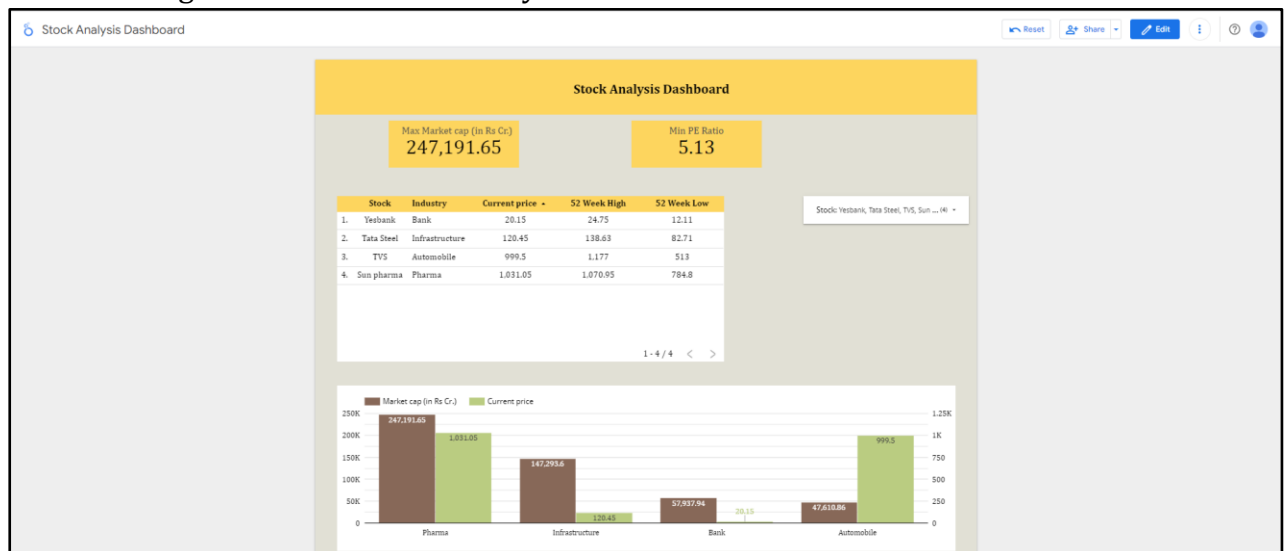
**Task 1 :** Connect the Data Source Sheet which you created above in Task 5 to Google Data Studio.

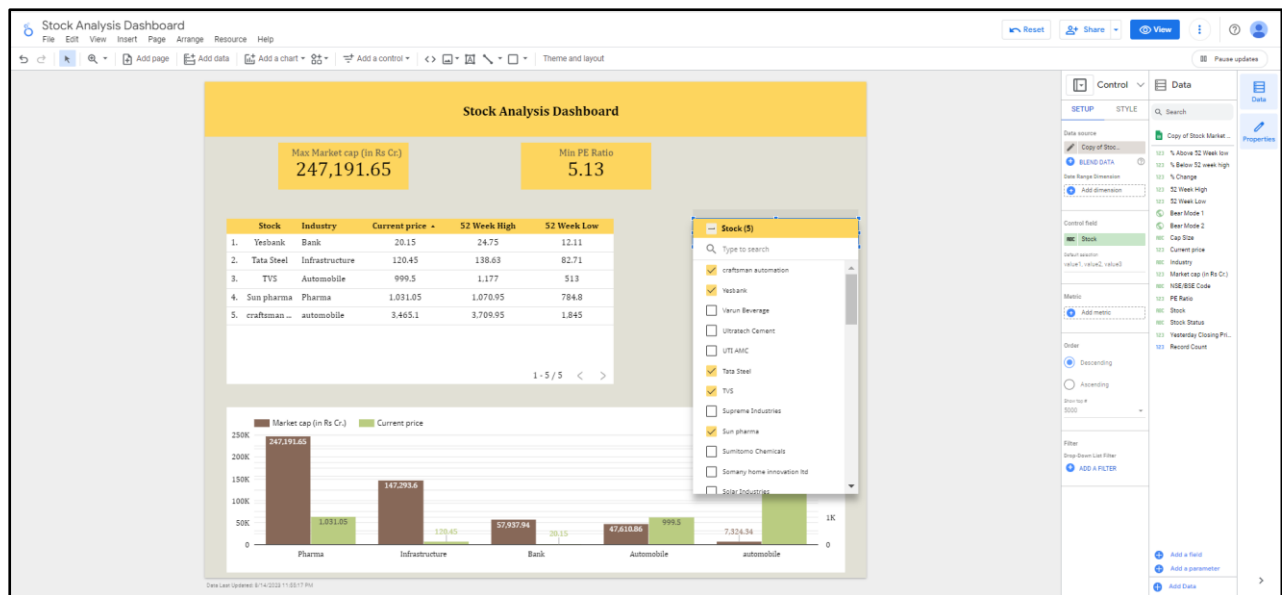
**Task 2 :** Now if specific requirements are given creating Reports is easy, so we keep upto you that how well you understand the Data Set & Provide with Good Analysis which will actually be meaningful & Also Attractive.

Note : The Report Dashboard should have the Following :

1. A Heading
2. Appropriate Filters
3. Scorecard Charts
4. Various Types of Graphical & Tabular Analysis which will help to analyze Data

The following is the screen-shots of my Dashboard that I made





## In the Dashboard,

- **Stock Selection and Data Display:** Users have the flexibility to select multiple stocks from the filter, allowing them to focus on specific stocks of interest. Once selected, the dashboard displays essential information for each chosen stock, including its Stock Name, Industry, Current Price, 52 Week High, and 52 Week Low. This feature enhances user experience by enabling them to quickly access detailed data for their preferred stocks.
- **Market Cap and PE Ratio Scorecard:** The dashboard includes a scorecard that highlights valuable insights about the selected stocks. Users can immediately identify which stock has the Maximum Market Cap (in Rs Cr.), providing a snapshot of the company's size in the market. Additionally, the scorecard indicates the stock with the Minimum PE Ratio, helping users assess valuation. This succinct representation of key metrics aids in making informed investment decisions.
- **Industry Histogram Comparison:** Users can explore the distribution of stocks across different industries through histograms. This feature allows users to visualize the frequency of stocks in each industry category. Furthermore, the dashboard enables users to compare Market Cap (in Rs Cr.) and Current Price across these industries. This comparison helps users identify industry trends, potential investment opportunities, and the overall performance of specific sectors.

### 3.) Google App Script Tasks

Make a Copy of the Above Sheet, Go Inside App Script & Fetch all Data From Source to DB, Give Permissions to Script & Run it Successfully!

	A	B	
1	Employee Name	Location	
2	Emp A	Pune	
3	Emp B	Mumbai	
4	Emp C	Delhi	
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Source ▾

DB ▾

	A	B	
1	Employee Name	Location	
2	Emp A	Pune	
3	Emp B	Mumbai	
4	Emp C	Delhi	
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Source ▾

DB ▾



Apps Script

Untitled project

Deploy

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Files

Code.gs

Libraries

Services

1

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4

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8

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10

11

12

13

```
function myFunction() {  
  var ss = SpreadsheetApp.getActiveSpreadsheet();  
  var sheet = ss.getSheetByName("Source");  
  var pasteSheet = ss.getSheetByName("DB");  
  
  var empnm = sheet.getRange("A2:A4").getValue();  
  var loc = sheet.getRange("B2:B4").getValue();  
  
  pasteSheet.getRange("A2:A4").setValue(empnm);  
  pasteSheet.getRange("B2:B4").setValue(loc);  
}
```

Debugger

1

2

3

No breakpoints set

To start debugging, add at least one breakpoint or "debugger" statement to your project.

Learn more