

```

SELECT
    TOP (1000)
        [timestamp],
        [open],
        [high],
        [low],
        [close],
        [volume],
        [signal],
        [volatility],
        [SMA_14],
        [EMA_50],
        [BB_upper],
        [BB_lower],
        [RSI],
        [Risk],

    -- Additional calculated fields
    ([close] - [open]) AS [Price_Change],
    (([high] - [low]) / [low]) * 100 AS [Intraday_Volatility_Percentage],
    CASE
        WHEN [RSI] > 70 THEN 'Overbought'
        WHEN [RSI] < 30 THEN 'Oversold'
        ELSE 'Neutral'
    END AS [RSI_Status]

FROM
    [crypto_data].[dbo].[LINK_USD_data]

-- Filter for non-null and relevant rows, and sort by timestamp
WHERE [close] IS NOT NULL
AND [volume] > 0
ORDER BY [timestamp] DESC;

```

Results		Messages										
	timestamp	open	high	low	close	volume	signal	volatility	SMA_14	EMA_50	BB_upper	BB_lower
1	2024-10-31 20:21:00.000	11.41809	11.41809	11.39975	11.39975	1.476371	BUY	0.0183400000000002	11.3922407142857	11.4194096428831	11.4054916775916	11.3789897509798
2	2024-10-31 20:13:00.000	11.39558	11.39558	11.39558	11.39558	13.16135825	BUY	0	11.3866214285714	11.4281726528593	11.40420693634	11.3690359208029
3	2024-10-31 20:10:00.000	11.38924	11.39044	11.38924	11.39044	253.25712	BUY	0.001200000000000076	11.3842228571429	11.4327568565346	11.401870295707	11.3665754185787
4	2024-10-31 20:06:00.000	11.37783	11.37783	11.37783	11.37783	31.6323	SELL	0	11.3962821428571	11.441708313672	11.4521363283916	11.3404279573227
5	2024-10-31 20:04:00.000	11.40041	11.401	11.3815	11.3815	87.12065346	SELL	0.0194999999999999	11.4112557142857	11.4468794934864	11.4935288308273	11.3289825977442
6	2024-10-31 20:03:00.000	11.39167	11.39641	11.39167	11.39641	44.87787945	SELL	0.004739999999999997	11.4186114285714	11.4495480442409	11.507567278591	11.3296555785518
7	2024-10-31 20:01:00.000	11.38027	11.39929	11.38027	11.39929	38.8691	BUY	0.01902000000000011	11.4312714285714	11.4538568192714	11.5302277169343	11.3323151402086
8	2024-10-31 20:00:00.000	11.39081	11.39081	11.37649	11.37649	20.86585	SELL	0.01431999999999997	11.4362178571429	11.4560840363845	11.5352108207399	11.3372248935458
9	2024-10-31 19:59:00.000	11.37693	11.377	11.37423	11.377	31.80726935	BUY	0.002769999999999994	11.4427928571429	11.4593327725635	11.5367990721348	11.3487866421509
10	2024-10-31 19:58:00.000	11.388	11.388	11.37672	11.3772	224.10217...	SELL	0.01127999999999993	11.4493314285714	11.4626932938926	11.5360785801031	11.3625842770397
11	2024-10-31 19:57:00.000	11.39485	11.39485	11.38916	11.38916	938.62833...	SELL	0.005689999999999953	11.45351	11.466202407929	11.5302487945213	11.3767712054787
12	2024-10-31 19:56:00.000	11.40028	11.40028	11.39012	11.39012	3386.2944...	SELL	0.01016000000000008	11.4568	11.4693469960078	11.5251448329033	11.3884551670967
13	2024-10-31 19:55:00.000	11.40807	11.40807	11.40807	11.40807	30.4056	SELL	0	11.46032	11.4725807509469	11.518136352757	11.402503647243
14	2024-10-31 19:54:00.000	11.43521	11.43521	11.41009	11.41009	551.49328...	SELL	0.02511999999999994	11.4625578571429	11.4752138428223	11.5137027386391	11.4114129756467
15	2024-10-31 19:49:00.000	11.48447	11.48448	11.48447	11.48448	1.499609	SELL	9.9999999962142E-...	11.4571435714286	11.4767252264082	11.4925567576789	11.4217303851782
16	2024-10-31 19:48:00.000	11.48611	11.48846	11.48611	11.48846	1099.45531	BUY	0.002349999999999985	11.4561585714286	11.4764087050371	11.4889677960756	11.4233493467815

RSI	Risk	Price_Change	Intraday_Volatility_Percentage	RSI_Status
100	Low Risk	-0.01834000000000002	0.160880721068447	Overbought
64.8592450415861	Low Risk	0	0	Neutral
50.2251618350692	Low Risk	0.001200000000000076	0.0105362605406573	Neutral
15.1037235782999	Low Risk	0	0	Oversold
15.4753922488939	Low Risk	-0.01891	0.171330668189597	Oversold
17.1943678760338	Low Risk	0.00473999999999997	0.0416093513944836	Oversold
27.6972624798709	Low Risk	0.01902000000000011	0.167131359800788	Oversold
15.2510381275948	Low Risk	-0.0143199999999997	0.125873621828874	Oversold
15.3099893891158	Low Risk	7.00000000009027E-05	0.0243532968825137	Oversold
32.2705782519097	Low Risk	-0.0112799999999993	0.099149842836945	Neutral
34.9023207027669	Low Risk	-0.00568999999999953	0.0499597863231312	Neutral
34.1807909604522	Low Risk	-0.01016000000000008	0.0892001137828296	Neutral
38.6329003700752	Low Risk	0	0	Neutral
39.0608950843731	Low Risk	-0.0251199999999994	0.220156019803519	Neutral
56.1557003838943	Low Risk	9.9999999962142E-06	8.70741096421639E-05	Neutral
61.5914893617017	Low Risk	0.00234999999999985	0.0204594941194177	Neutral