

Section 16

16.1 Notes:-

Note's is simple screen where simple notes can be added to the data base relating to the project or subject that you working with. The idea is that hand notes are not seen by others or notes on personal computers. These notes are there for users of the network. Estimators could use for letting others know there is a site inspection on a certain date.

Year	Month	Header No	Subject	Reference	Date
2027	June	47	Postgres Code Loops		23 Mar 2022
2026	July	51	Update of Master List		5 Apr 2022
2025	August	52	Postgres replace old column value with new value		5 Apr 2022
2024	September	53	Postgres column contents with text		5 Apr 2022
2023	October	54	Update of Master List		6 Apr 2022
2022	November	55	Ranbury VALERIA PROJECT CHPP - Kick off meeting		1 Oct 2022
2021	December	56	Ranbury VALERIA PROJECT CHPP - Ladder pricing		2 Nov 2022
2020		57	Ranbury VALERIA PROJECT CHPP - Pricing Update		3 Nov 2022
2019	Year				
2018	All				

Note

Heading No	Heading Description	Estimate No	Reference	Date
47	Postgres Code Loops			23 Mar 2022

<https://stackoverflow.com/questions/15714342/iterating-through-postgresql-records-how-to-reference-data-from-next-row>

I'm new to PostgreSQL and writing functions here is tough as nails. So I'm hoping someone can help let me know how to do what I'm trying to do.

I have a table of stock prices and dates. I want to calculate the percent change from the previous day for each entry. For the earliest day of data, there won't be a previous day, so that entry can simply be Nil. Can someone look over my function and help me with

a) how to reference data from the next row and
b) help me clean it up?

I'm aware that the WITH statement is probably not supposed to be above the IF statement. However logically, this is how I've thought about it so far and thus how I've written it. If you could advise how that is supposed to look it would be much appreciated as well.

```
CREATE FUNCTION percentage_change_func(asset_histories) RETURNS
numeric LANGUAGE sql IMMUTABLE AS $func$

DECLARE
r asset_histories%rowtype
BEGIN
WITH twodaysdata AS (SELECT date,price,asset_symbol FROM asset_histories
WHERE asset_symbol = $1.asset_symbol
AND asset_histories.date <= $1.date
ORDER BY date DESC LIMIT 2),
numberofrecords AS (SELECT count(*) FROM twodaysdata)
IF numberOfrecords = 2 THEN
RETURN r.price / (r+1).price - 1 <---How do I reference r + 1???
ELSE
RETURN NIL
ENDIF
END
--
Footer
```

File Path Name

Print Current Record Print Selected Records Delete Edit New Cancel Ok Close

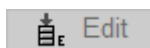
The heading numbers are automatically generated. The heading description are searchable, so attention should be made to information entered into this field.

When in the entry mode the Estimate number can be easily found by clicking on the “Find Estimate” tab this produces a list of Active estimates, by clicking on the list this will add the description and number to the entry line.

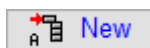
“Reference” and “Date” fields can be any that are related to the project.



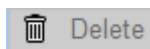
Tool Tips, click on to turn blue and rub mouse over object for the tip.



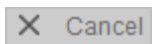
This allows the record to be modified.



This is for adding a new record number's will be generated automatically.

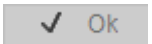


This is for deleting the current record. Please consider before using there is no Undo function.



Cancel

Cancel entry.



Ok

Click OK to add a new entry or write modifications to data base.



Close

Closes this Window.



This takes you to the previous record in the list.



This takes you to the next record in the list.



This takes you to the first record in the list.



This takes you to the last record in the list.



Perform a search, by entering a name and clicking “**OK**” you will display the next record starting with that name.



Print Current Record

Prints the current selected record.



Print Selected Records

Prints all of the selected record.

Notes