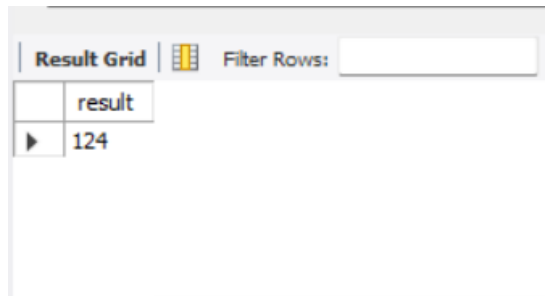


README: there are reasons why I wrote two versions of code
CS336 Project1

API1:

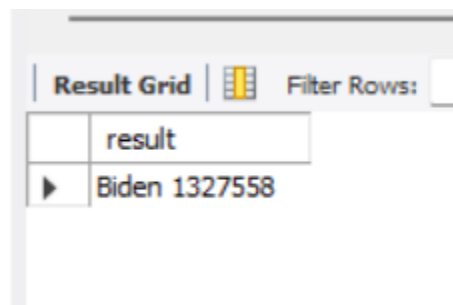
Call API1('Biden','2020-12-31 23:00:34','Adams Township - Dunlo Voting Precinct');



	result
▶	124

API2:

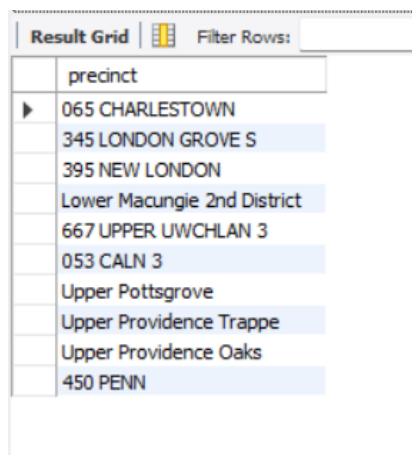
Call API2('2020-11-06');



	result
▶	Biden 1327558

API3:

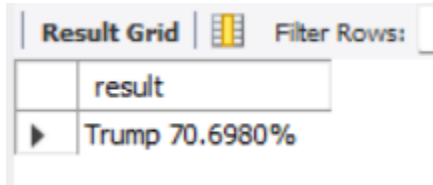
Call API3('Biden');



	precinct
▶	065 CHARLESTOWN
	345 LONDON GROVE S
	395 NEW LONDON
	Lower Macungie 2nd District
	667 UPPER UWCHLAN 3
	053 CALN 3
	Upper Pottsgrove
	Upper Providence Trappe
	Upper Providence Oaks
	450 PENN

API4: (This version calculates the percentage by using sum() of the vote in the input precinct.)

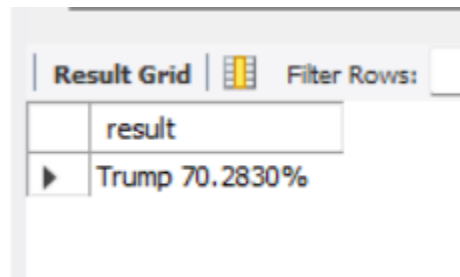
Call API4('Adams Township - Dunlo Voting Precinct');



	result
▶	Trump 70.6980%

API4_noSum: (This version calculates the percentage by using the latest vote in the input precinct.)

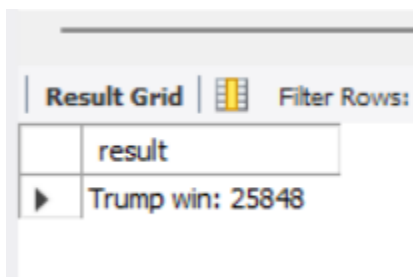
Call API4_noSum('Adams Township - Dunlo Voting Precinct');



	result
▶	Trump 70.2830%

API5:

Call API5('SOUTH');



	result
▶	Trump win: 25848

newPenna (This version is without using the cursor, because the instruction says cursor is recommended, but did not say is required):

Call newPenna(); table newpenna will be created

Switch:

Call Switch(); table switch will be created, but is an empty table

Part3 a)

Result Grid	
	result
▶	TRUE

Part3 b)

Result Grid	
	result
▶	TRUE

Part3 c) first version: for all total vote that greater to equal to 2020-11-05 00:00:00 until the max(timestamp)

Result Grid	
	result
▶	FALSE

Part3 c) second version: for total vote that only occur in 2020-11-05

Result Grid	
	result
▶	TRUE

Part4 insert, delete, update: run in the sql

MoveVotes (this version will update the original table):

Call MoveVotes('005 ATGLEN', '2020-11-09 21:35:31', 'Trump', 200);

MoveVotes2 (this version will not update the original table, only return the result after you move votes):

Call MoveVotes2('005 ATGLEN', '2020-11-09 21:35:31', 'Trump', 200);

Result Grid					
Filter Rows:		Export:		Wrap Cell Content:	
	precinct	timestamp	totalvotes	newBiden	newTrump
▶	005 ATGLEN	2020-11-11 21:50:46	694	523	162
	005 ATGLEN	2020-11-11 20:31:19	694	523	162
	005 ATGLEN	2020-11-11 03:16:00	694	523	162
	005 ATGLEN	2020-11-11 03:01:18	694	523	162
	005 ATGLEN	2020-11-11 00:16:54	694	523	162
	005 ATGLEN	2020-11-10 23:31:18	694	523	162
	005 ATGLEN	2020-11-10 21:45:52	694	523	162
	005 ATGLEN	2020-11-10 21:30:56	694	523	162
	005 ATGLEN	2020-11-10 20:13:12	694	523	162
	005 ATGLEN	2020-11-10 18:52:23	694	523	162
	005 ATGLEN	2020-11-10 16:18:07	694	523	162
	005 ATGLEN	2020-11-10 14:57:39	694	523	162
	005 ATGLEN	2020-11-10 06:03:21	694	523	162
	005 ATGLEN	2020-11-10 00:22:30	694	523	162
	005 ATGLEN	2020-11-09 23:44:13	694	523	162
	005 ATGLEN	2020-11-09 22:44:59	694	523	162
	005 ATGLEN	2020-11-09 21:35:31	694	523	162

Result 2