Peter Antonaros
Math 290 Homework 1

1) Exercise: Fill out spreadsheet (Complete)

Went to Google Docs and filled out the necessary columns for my row.

2) Exercise: Download spreadsheet copy (Complete)

Downloaded spreadsheet copy as a CSV file.

3) Exercise: Download/Install DBeaver CE (Complete)

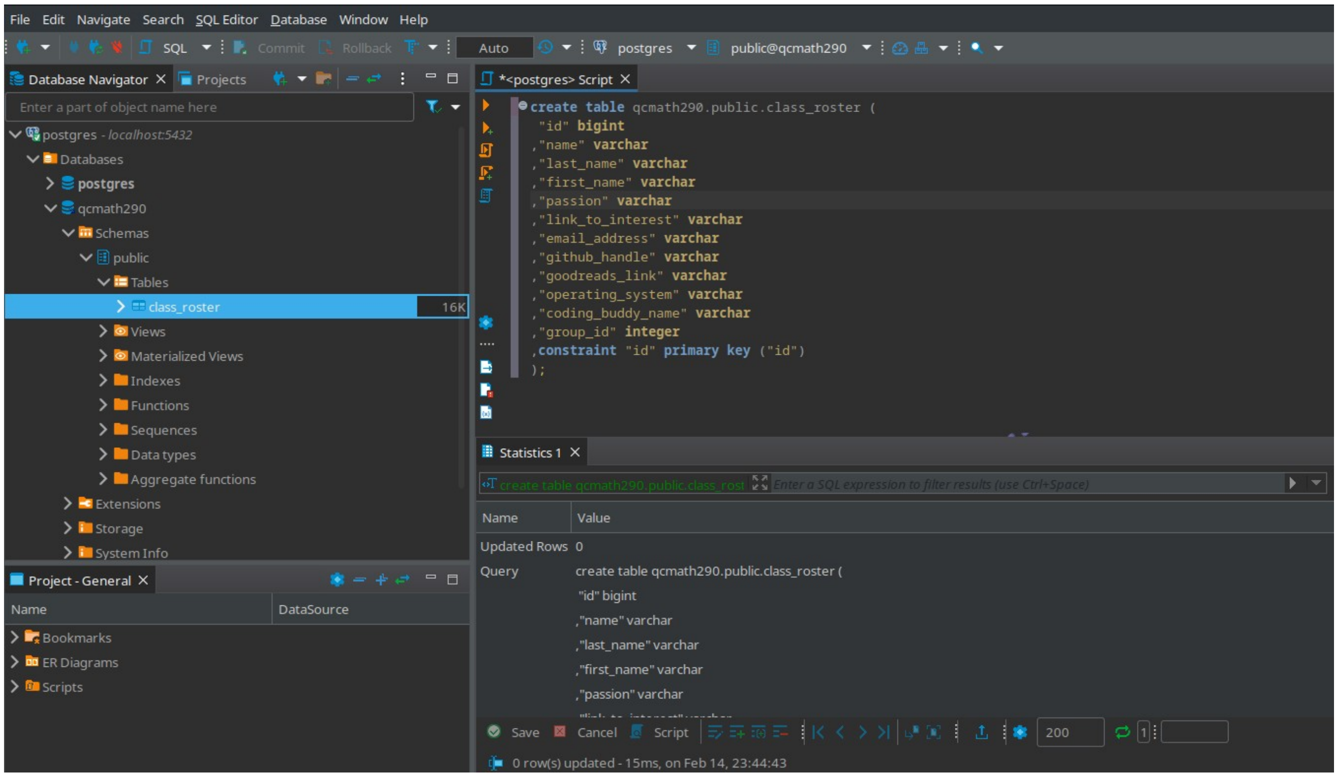
I already had PostgreSQL and Dbeaver CE setup on my computer, so I just checked if everything was the right version and proceeded on.

4) Exercise: Configure PostgreSQL instance (Complete)

I've never really setup my own instance with local-host, since anytime I have used PostgreSQL and Dbeaver CE I was connecting to a online host. It failed a couple times with local-host, but after modifying my user permissions it worked and was able to establish a connection.

5&6) Exercise: qcmath290 database (Complete), Paste script create_table_roster.sql (Complete)

I was able to create the required database and then copy and pasted the script.



```
create table qcmath290.public.class_roster (
  "id" bigint
 ,"name" varchar
 ,"last_name" varchar
 ,"first_name" varchar
 ,"passion" varchar
 ,"link_to_interest" varchar
 ,"email_address" varchar
 ,"github_handle" varchar
 ,"goodreads_link" varchar
 ,"operating_system" varchar
 ,"coding_buddy_name" varchar
 ,"group_id" integer
 ,constraint "id" primary key ("id")
 );
```

Name	Value
Updated Rows	0
Query	create table qcmath290.public.class_roster ("id" bigint ,"name" varchar ,"last_name" varchar ,"first_name" varchar ,"passion" varchar

```
0 row(s) updated - 15ms, on Feb 14, 23:44:43
```

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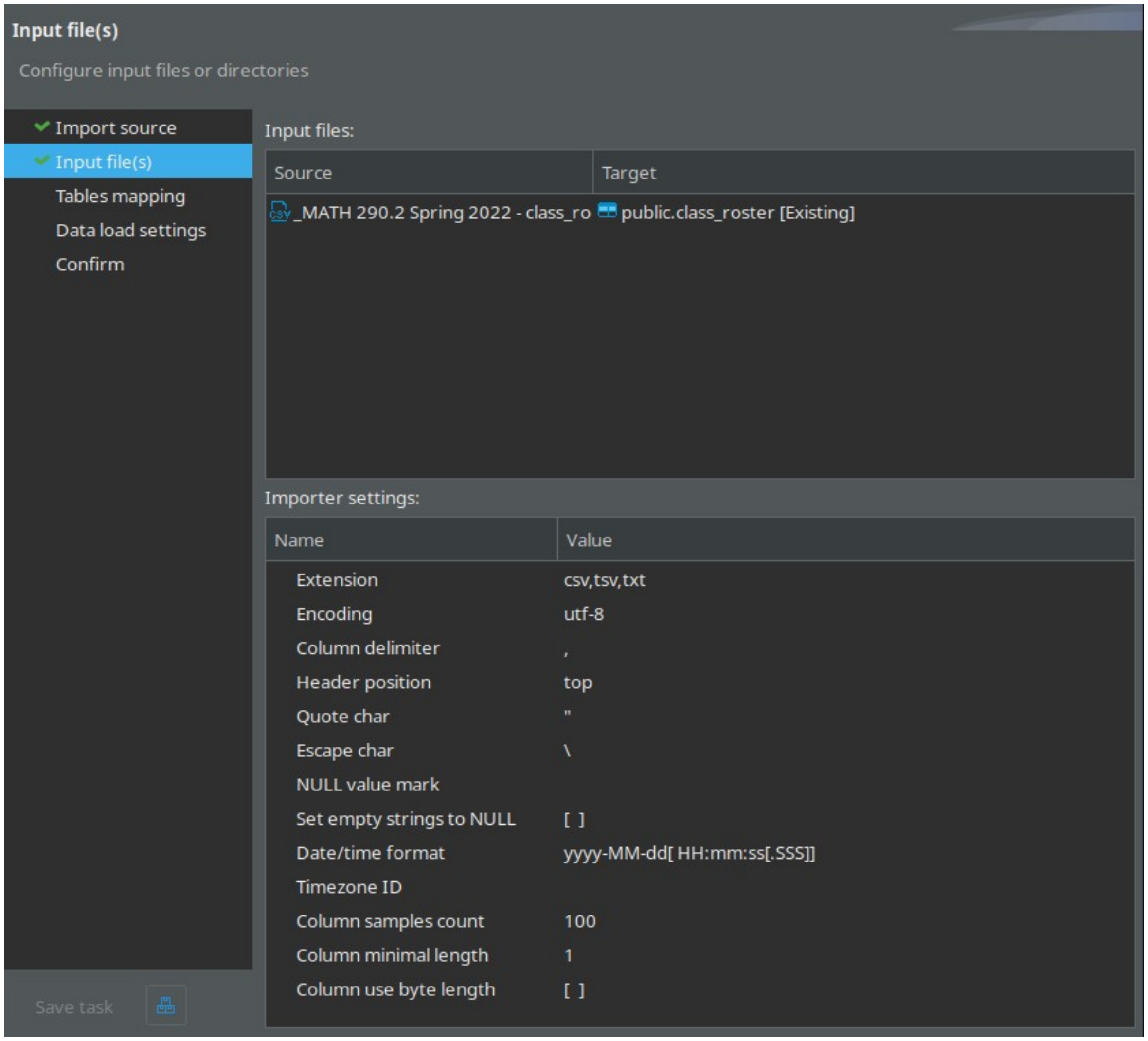
At this point everything was functioning and it was time to actually bring in data to the database.

7) Exercise: Import csv into class_roster table (Complete)

I had one issue in bringing in the data, an error that kept mentioning a conflict. I noticed in the csv there were duplicate ids. I wasn't sure if this was done on purpose or not, so in the Data Load Settings, I changed the replacement method to "DO NOTHING ON CONFLICT".
The other thing you could do is manually alter the ids yourself, and then there is no need for changing any data load settings.



Input files:

Source	Target
_MATH 290.2 Spring 2022 - class_ro	public.class_roster [Existing]

Importer settings:

Name	Value
Extension	csv,tsv,txt
Encoding	utf-8
Column delimiter	,
Header position	top
Quote char	"
Escape char	\
NULL value mark	
Set empty strings to NULL	[ ]
Date/time format	yyyy-MM-dd[HH:mm:ss[.SSS]]
Timezone ID	
Column samples count	100
Column minimal length	1
Column use byte length	[ ]

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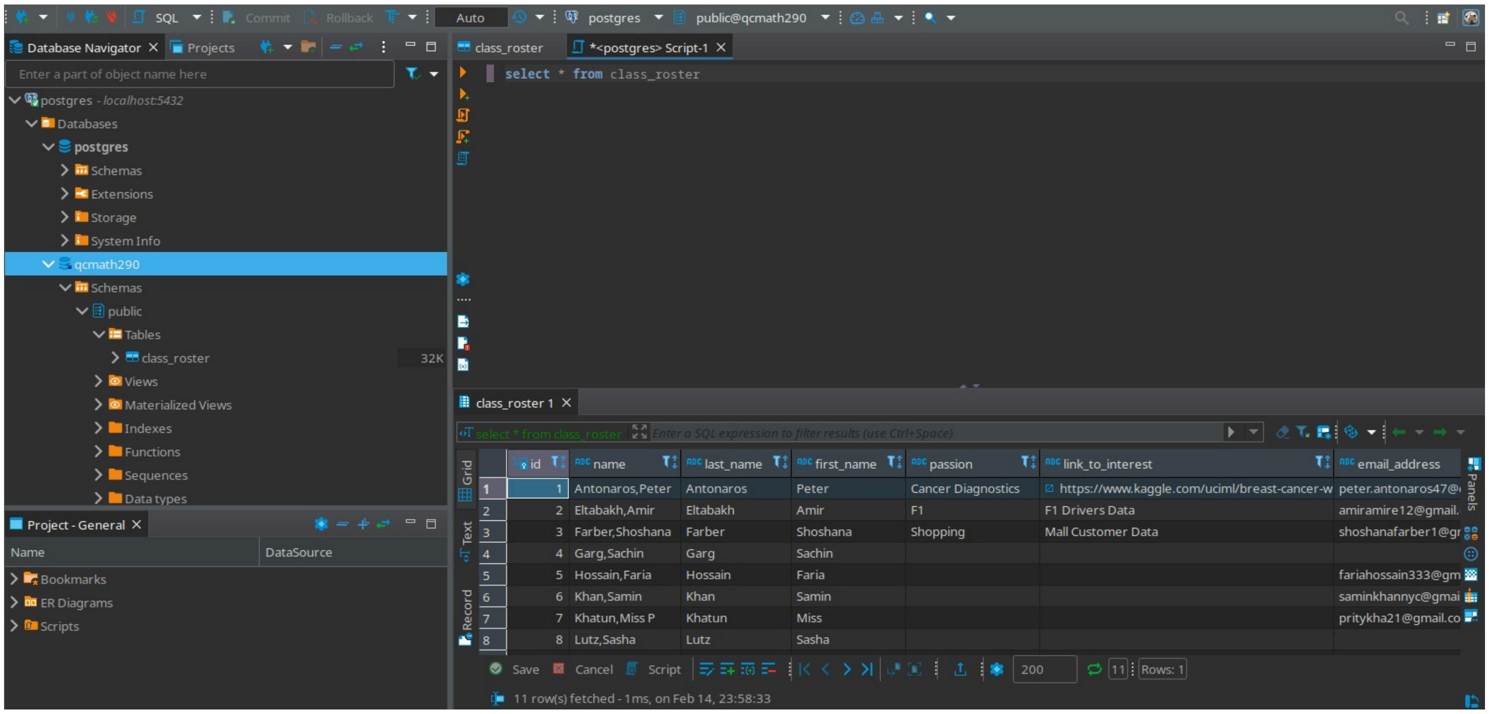
8) Exercise: Execute Select statement against table (Complete)

Here I executed a SELECT * statement against the class_roster table, and all the data was there. Seemed to be a successful attempt.



```
select * from class_roster
```

	id	name	last_name	first_name	passion	link_to_interest	email_address
1	1	Antonaros,Peter	Antonaros	Peter	Cancer Diagnostics	https://www.kaggle.com/uciml/breast-cancer-w	peter.antonaros47@
2	2	Eltabakh,Amir	Eltabakh	Amir	F1	F1 Drivers Data	amiramire12@gmail.
3	3	Farber,Shoshana	Farber	Shoshana	Shopping	Mall Customer Data	shoshanafarber1@gr
4	4	Garg,Sachin	Garg	Sachin			
5	5	Hossain,Faria	Hossain	Faria			fariahossain333@gm
6	6	Khan,Samin	Khan	Samin			saminkhannyc@gmai
7	7	Khatun,Miss P	Khatun	Miss			pritykha21@gmail.co
8	8	Lutz,Sasha	Lutz	Sasha			

11 row(s) fetched - 1ms, on Feb 14, 23:58:33

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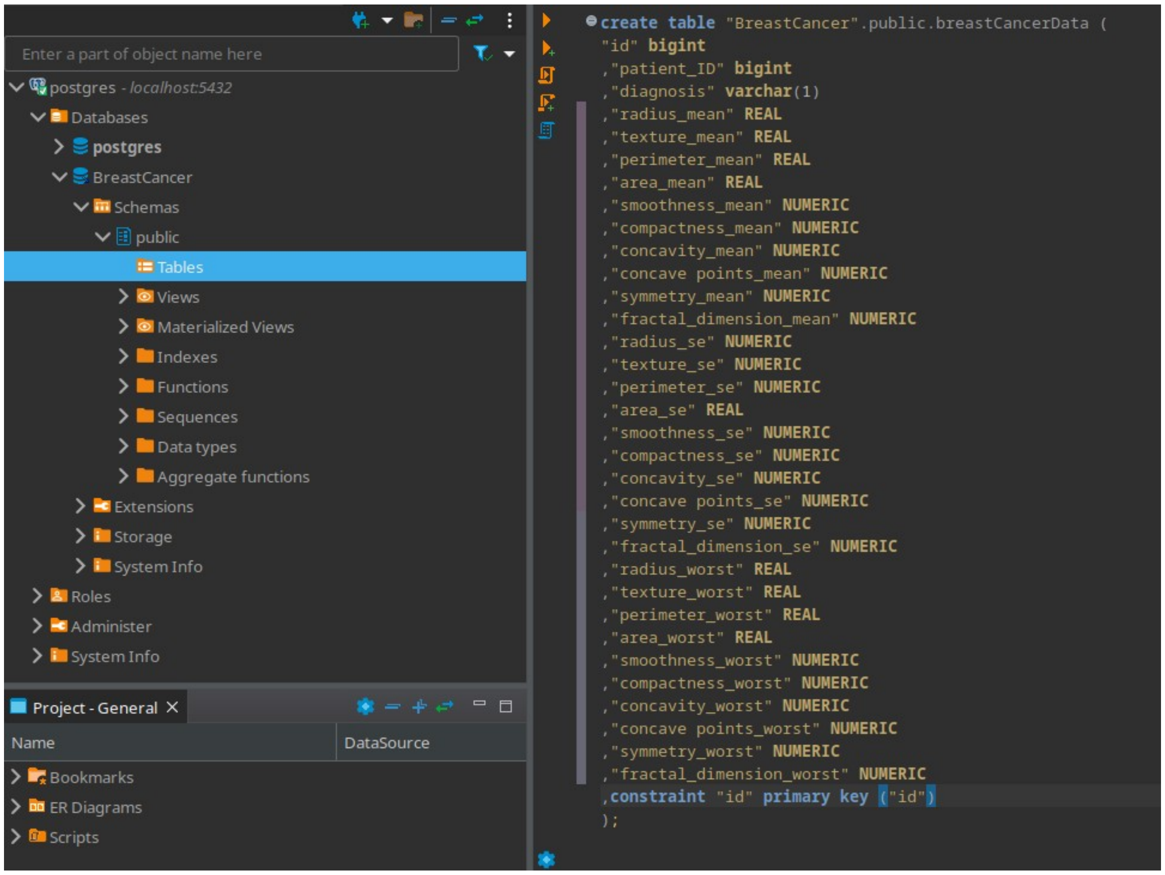
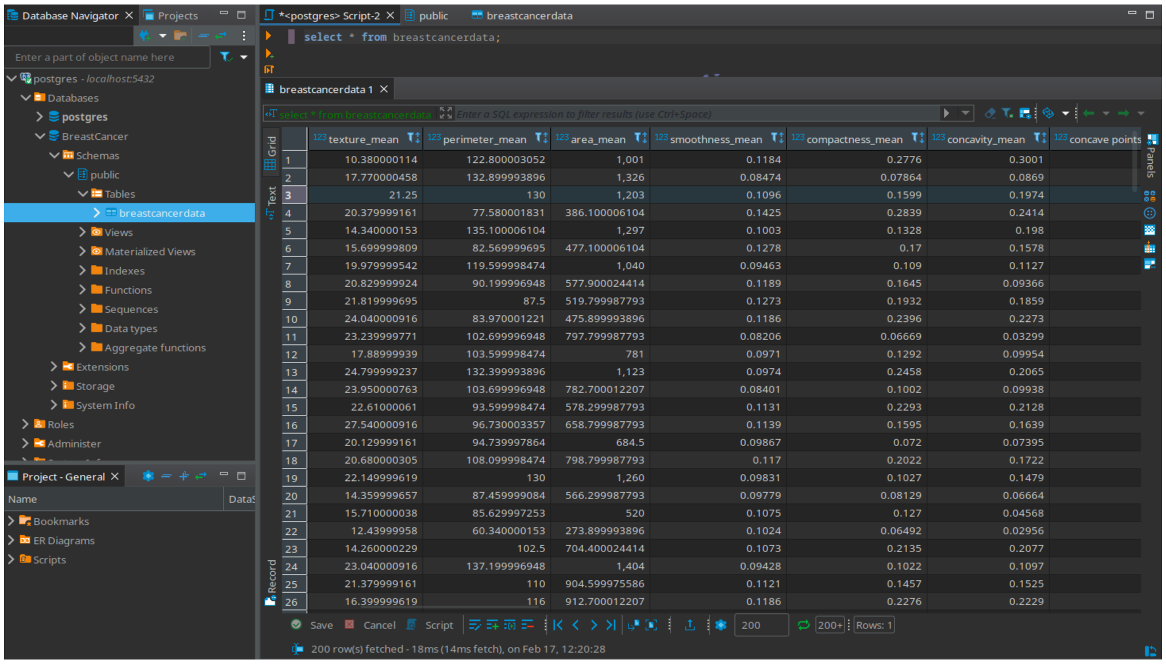
9) Repeat same process for linked interest data set (EXTRA CREDIT COMPLETE)



```sql
create table "BreastCancer".public.breastCancerData (
 "id" bigint
 ,"patient_ID" bigint
 ,"diagnosis" varchar(1)
 ,"radius_mean" REAL
 ,"texture_mean" REAL
 ,"perimeter_mean" REAL
 ,"area_mean" REAL
 ,"smoothness_mean" NUMERIC
 ,"compactness_mean" NUMERIC
 ,"concavity_mean" NUMERIC
 ,"concave points_mean" NUMERIC
 ,"symmetry_mean" NUMERIC
 ,"fractal_dimension_mean" NUMERIC
 ,"radius_se" NUMERIC
 ,"texture_se" NUMERIC
 ,"perimeter_se" NUMERIC
 ,"area_se" REAL
 ,"smoothness_se" NUMERIC
 ,"compactness_se" NUMERIC
 ,"concavity_se" NUMERIC
 ,"concave points_se" NUMERIC
 ,"symmetry_se" NUMERIC
 ,"fractal_dimension_se" NUMERIC
 ,"radius_worst" REAL
 ,"texture_worst" REAL
 ,"perimeter_worst" REAL
 ,"area_worst" REAL
 ,"smoothness_worst" NUMERIC
 ,"compactness_worst" NUMERIC
 ,"concavity_worst" NUMERIC
 ,"concave points_worst" NUMERIC
 ,"symmetry_worst" NUMERIC
 ,"fractal_dimension_worst" NUMERIC
 ,constraint "id" primary key ("id")
 );
```



```sql
select * from breastcancerdata;
```

	texture_mean	perimeter_mean	area_mean	smoothness_mean	compactness_mean	concavity_mean	concave points
1	10.380000114	122.800003052	1,001	0.1184	0.2776	0.3001	
2	17.770000458	132.899993896	1,326	0.08474	0.07864	0.0869	
3	21.25	130	1,203	0.1096	0.1599	0.1974	
4	20.379999161	77.580001831	386.100006104	0.1425	0.2839	0.2414	
5	14.340000153	135.100006104	1,297	0.1003	0.1328	0.198	
6	15.699999809	82.569999695	477.100006104	0.1278	0.17	0.1578	
7	19.979999542	119.599998474	1,040	0.09463	0.109	0.1127	
8	20.829999924	90.199996948	577.900024414	0.1189	0.1645	0.09366	
9	21.819999695	87.5	519.799987793	0.1273	0.1932	0.1859	
10	24.040000916	83.970001221	475.899993896	0.1186	0.2396	0.2273	
11	23.239999771	102.699996948	797.799987793	0.08206	0.06669	0.03299	
12	17.88999939	103.599998474	781	0.0971	0.1292	0.09954	
13	24.799999237	132.399993896	1,123	0.0974	0.2458	0.2065	
14	23.950000763	103.699996948	782.700012207	0.08401	0.1002	0.09938	
15	22.61000061	93.599998474	578.299987793	0.1131	0.2293	0.2128	
16	27.540000916	96.730003357	658.799987793	0.1139	0.1595	0.1639	
17	20.129999161	94.739997864	684.5	0.09867	0.072	0.07395	
18	20.680000305	108.099998474	798.799987793	0.117	0.2022	0.1722	
19	22.149999619	130	1,260	0.09831	0.1027	0.1479	
20	14.359999657	87.459999084	566.299987793	0.09779	0.08129	0.06664	
21	15.710000038	85.629997253	520	0.1075	0.127	0.04568	
22	12.43999958	60.340000153	273.899993896	0.1024	0.06492	0.02956	
23	14.260000229	102.5	704.400024414	0.1073	0.2135	0.2077	
24	23.040000916	137.199996948	1,404	0.09428	0.1022	0.1097	
25	21.379999161	110	904.599975586	0.1121	0.1457	0.1525	
26	16.399999619	116	912.700012207	0.1186	0.2276	0.2229	

```
200 row(s) fetched - 18ms (14ms fetch), on Feb 17, 12:20:28
```