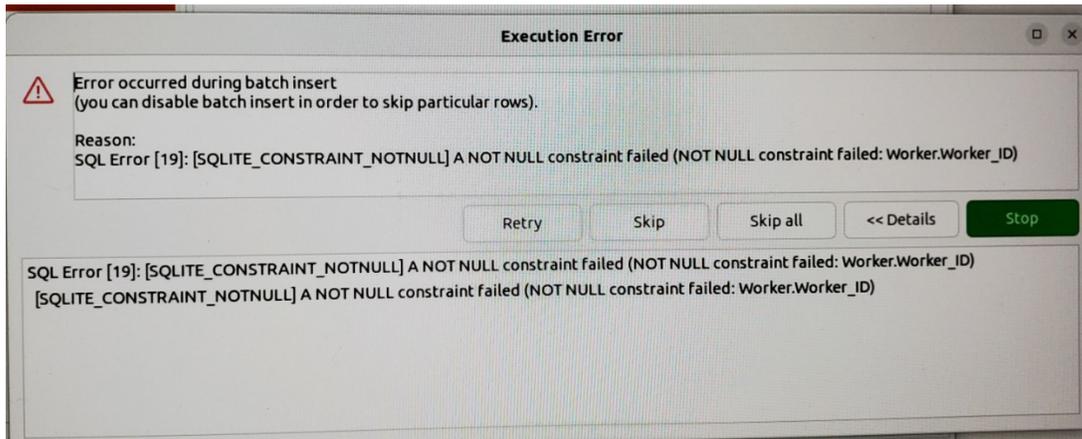
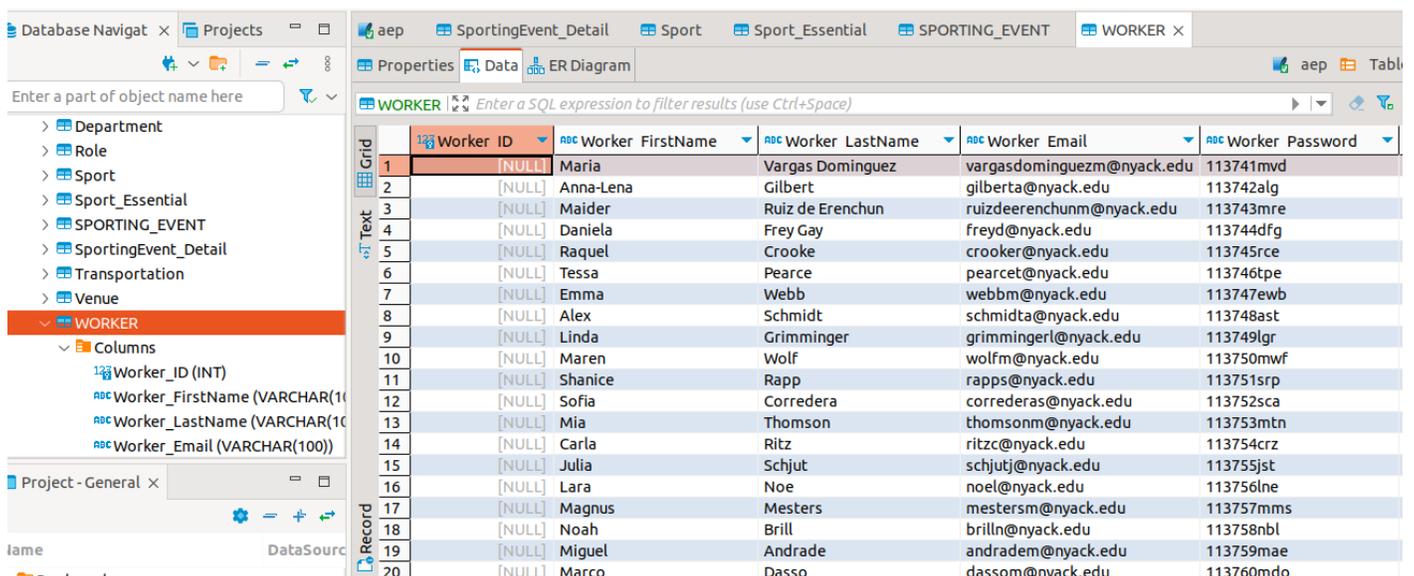


## February Journal

This month, I learned how to use DBeaver Application for our database. Creating the tables at first was exciting and a relief, and I thought everything would go smoothly. My colleague created some of the independent tables and I created the rest and then imported the data, however, when it was time to add the data for the dependent tables, it got complicated; I was getting **SQL Error 19** about Constraints.



When I imported the data for the SportsEvent table, an independent table, it was all good, it didn't get any errors. However, there's the Error when it comes to the dependent tables: SportsEvent\_Detail and Worker tables. What it also does is it would create another column for Worker\_ID on the left all NULL



Grid	Worker ID	Worker FirstName	Worker LastName	Worker Email	Worker Password
1	[NULL]	Maria	Vargas Domínguez	vargasdominguezm@nyack.edu	113741mvd
2	[NULL]	Anna-Lena	Gilbert	gilberta@nyack.edu	113742alg
3	[NULL]	Maider	Ruiz de Erenchun	ruizdeerenchunm@nyack.edu	113743mre
4	[NULL]	Daniela	Frey Gay	freyd@nyack.edu	113744dfg
5	[NULL]	Raquel	Crooke	crooker@nyack.edu	113745rce
6	[NULL]	Tessa	Pearce	pearcet@nyack.edu	113746tpe
7	[NULL]	Emma	Webb	webbm@nyack.edu	113747ewb
8	[NULL]	Alex	Schmidt	schmidta@nyack.edu	113748ast
9	[NULL]	Linda	Grimminger	grimmingerl@nyack.edu	113749lgr
10	[NULL]	Maren	Wolf	wolfm@nyack.edu	113750mwf
11	[NULL]	Shanice	Rapp	rapps@nyack.edu	113751srp
12	[NULL]	Sofia	Corredera	correderas@nyack.edu	113752sca
13	[NULL]	Mia	Thomson	thomsonm@nyack.edu	113753mtn
14	[NULL]	Carla	Ritz	ritz@nyack.edu	113754crz
15	[NULL]	Julia	Schjut	schjutj@nyack.edu	113755jst
16	[NULL]	Lara	Noe	noel@nyack.edu	113756lne
17	[NULL]	Magnus	Mesters	mestersm@nyack.edu	113757mms
18	[NULL]	Noah	Brill	brilln@nyack.edu	113758nbl
19	[NULL]	Miguel	Andrade	andradem@nyack.edu	113759mae
20	[NULL]	Marco	Dasso	dassom@nyack.edu	113760mdo

and our original Worker\_ID column on the right, which is wrong because it is our Primary Key, it was supposed to be on the left, the first column for every table. I don't understand why it does that, so I asked my colleague Venus, and my Project managers but they didn't also have an idea, so I reached out to my professor.

The next day, Karina and Michael, the coders, asked the Database team to change all VARCHARs data type to TEXT or String because SQLAlchemy datatypes don't have CHAR nor VARCHAR. I was skeptical at first because I thought TEXT and String are limited to Alphabets only, but I was willing to try and told them I could work on it later the night or at midnight because I have work, thankfully my colleague Venus is available. Venus changed everything because she could not edit the tables anymore, she said it was locked. So, she deleted what we first did and started all over again, changing the VARCHAR to INTEGER and TEXT. Once she created all the tables and added some of the data, that's when I added the rest.

Later that night, Karina said it worked, and we are both very happy. The fog was lifted, I was able to move on and stopped thinking about what was wrong with our database. I understood that not all database management tools have CHAR or VARCHAR, some tools are more straightforward such as DBeaver which only cares about Blob, Integer, and Numeric, Real, and Text. On the programming side, I learned about the SQLAlchemy module which is what we need to use to build a database-driven application. Overall, I am glad that the programmers can connect to our database, and I feel relieved, on the other side it saddened me because I realized how much more I still need to learn about databases and programming.