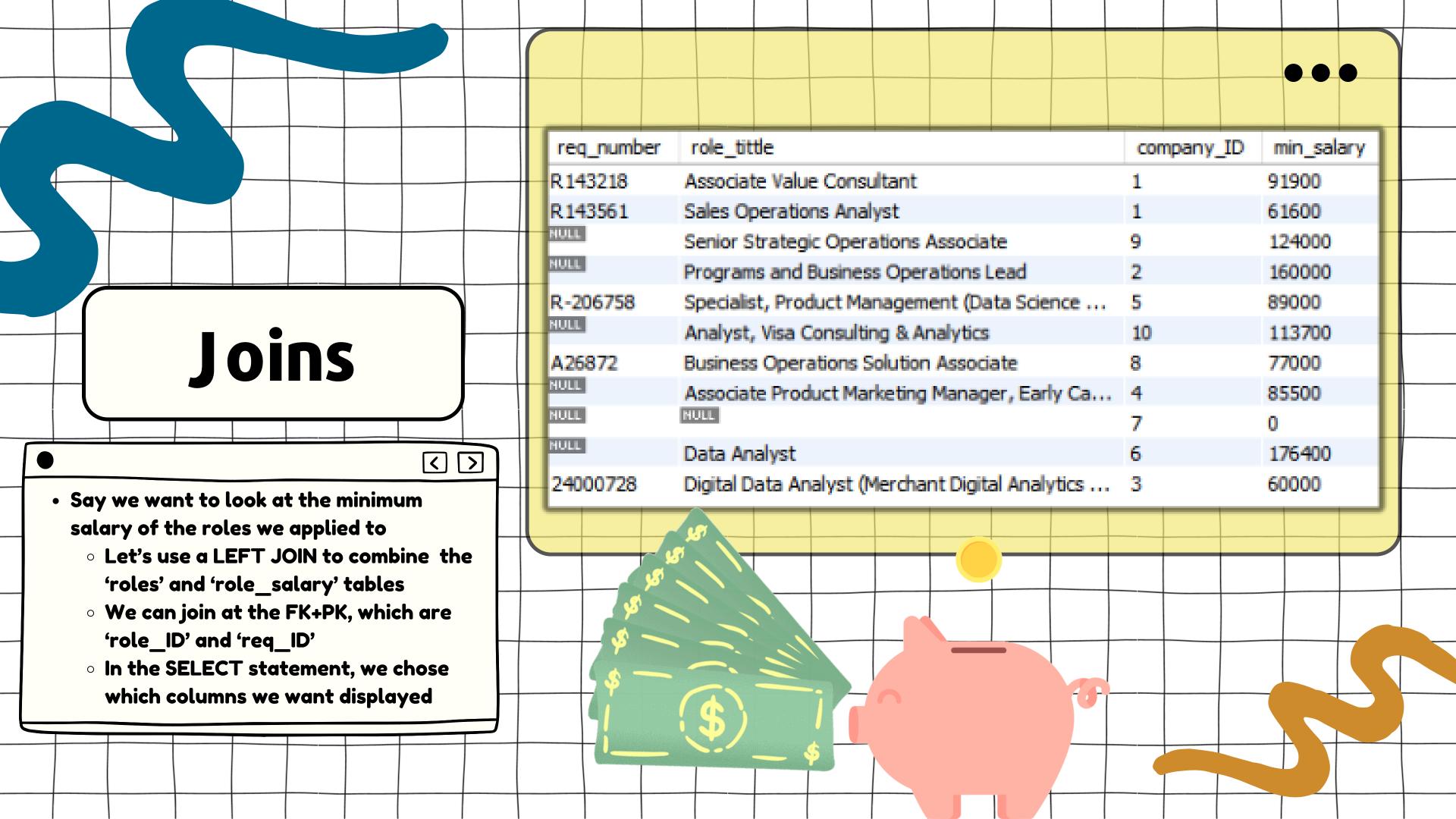


# Database

- The DB diagram helps us to visualize the tables created and how they relate
- The jobs\_search database is made up of seven (7) tables
- Table 'roles' has a one to many connection, as well as 'app\_status', and 'experience'
- Tables 'prog\_exp', 'company', 'role\_salary',
   and 'app\_dates' have one to one connection
- All but 'company' have foreign keys, meaning a column references a primary key in other



## Stored Function

We can store a function by using CREATE FUNCTION.
What if we want to look at the average minimum salary of all the roles applied? We can create the function named avg\_min\_sal() and run it with a SELECT statement when we need this information

Query

A query helps us extract data. Say we want to know which companies have an ideal minimum salary and also is not missing the maximum salary. The query will look for the company info, and here we specify columns to be displayed.

## **Sub-Query**

The sub-Query is inside the main query. In the example above, the sub-query will be looking at obtaining the salaries matching the criteria indicated. For this example we also used JOIN to extract all the information desired.



	company_ID	min_salary	max_salary	company_name
•	3	124000	137000	AMEX
	4	160000	194500	Google
	10	176400	198000	VISA

avg\_min\_sal()

94463.64



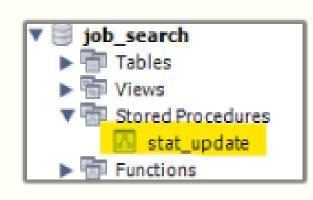
Procedures are similar to functions, but outputs multiple values. In this example we opted to search one value by setting a parameter. Here we check the status of an app using the URL, so that we take steps to update if needed.

### View

This option creates give the option to display a table that will not be edited. Imagine we want to share our progress with a mentor. We will share the role name, company, date of app, status

### **Data Extraction**

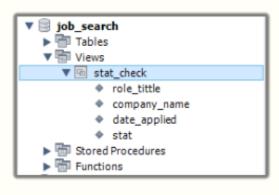
Another way to extract date from our DB is to use GROUP BY or HAVING. For the first, let's look at which industries and sectors are represented in the roles applied. To look at which industies are welcoming to entry level, use HAVING.



b https://www.uber.com/global/en/careers/list/1...

 b https://www.uber.com/global/en/careers/list/1...

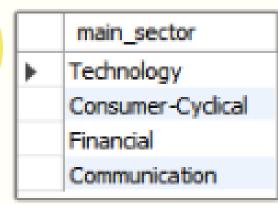




	role_tittle	company_name	date_applied	stat
F	Associate Value Consultant	Adobe	2024-01-12	In Process
	Sales Operations Analyst	Adobe	2024-01-28	In Process
	Programs and Business Operations Lead	AirBnB	MULL	Not Applied
	Digital Data Analyst (Merchant Digital Analytics	AMEX	MULL	Not Applied
	Associate Product Marketing Manager, Early Ca	Google	2023-12-18	Submitted
	Specialist, Product Management (Data Science	Mastercard	2023-12-15	Application Received
	Data Analyst	Meta	MULL	Not Applied
	HULL	Spotify	MULL	HULL
	Business Operations Solution Associate	TikTok	2023-12-12	Resume Screening
	Senior Strategic Operations Associate	Uber	NULL	Not Applied
	Analyst, Visa Consulting & Analytics	VISA	2023-12-15	Not Considered

stat

Not Applied



	main_industry
<b>)</b>	Software-Infrastructure
	Travel
	Credit
	Internet-Content
	Software-Application

	main_industry	
•	Credit	
	Internet-Content	

