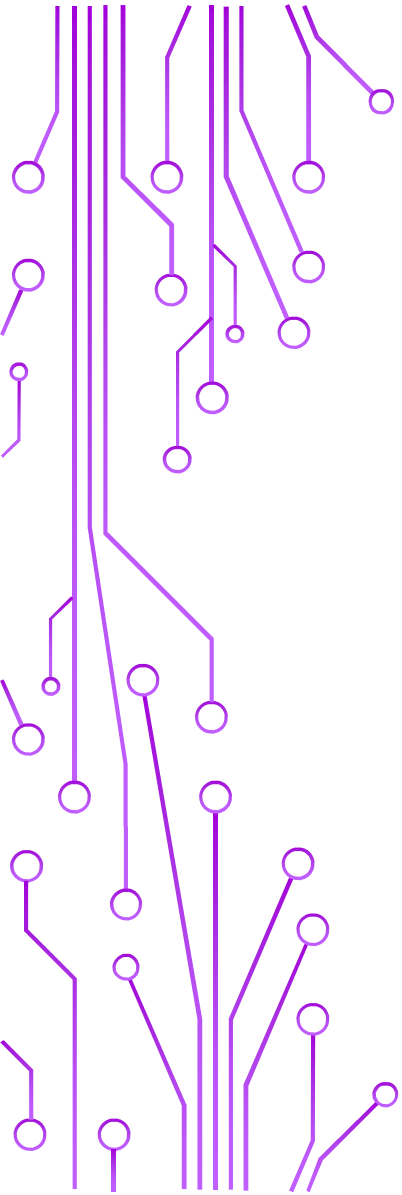


MUDSS
Data Science Society

HSBC

PEAK

Week 9: Structured Query Language (SQL)

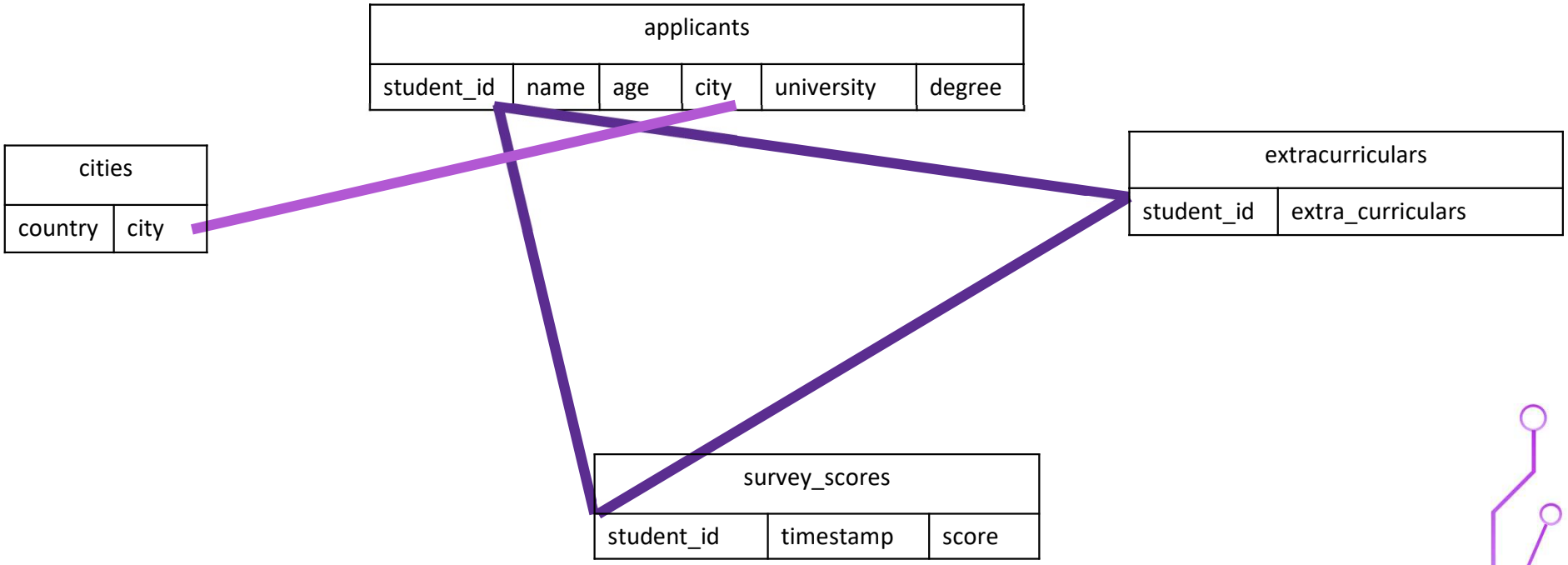
CGG

DATERN

BRIEF

- MUDSS have tasked you with recruiting 10 students for the 2022/23 committee.
- We have data about 100 applicants.
- Your task is to pick the top 10 based on two conditions:
  - 1. Choose the 5 applicants with the highest ‘love of data science score’ that go to a University in Manchester and are aged 30 or less.
  - 2. Choose the 5 applicants **not selected in 1.** with the highest number of extracurriculars.

THE DATABASE



THE DATABASE

applicants					
student_id	name	age	city	university	degree

Provides details about every applicant.
Applicants are uniquely identified by their ‘student_id’ number, an integer between 100 and 999.

cities	
country	city

Gives the country of every city that an applicant comes from.

extracurriculars	
student_id	extra_curriculars

‘Extra_curriculars’ is the number of university societies that the applicant is a member of.

survey_scores		
student_id	timestamp	score

Every applicant completed a survey at time ‘timestamp’, from which they received a ‘score’ from 1-10 for how much they like data science.

TASKS

1) Write a query that returns data for all applicants. Use only the 'applicants' table for now.

2) Write a query that returns the number of applicants.

3) Write a query that returns the number of applicants at a University in Manchester aged 30 or less.

4) Write a query that returns data for all applicants alongside their score in the data science survey.

5) Using your answer in (4), write a query to identify the 5 candidates with the highest score that are at a University in Manchester and aged 30 or less.

6) Write a query to identify the 5 candidates with the highest number of extracurriculars that are NOT in the top 5 candidates you identified for (5).

7) Write a query to return the 10 candidates you have identified in (5) and (6). This is your final submission for the brief!