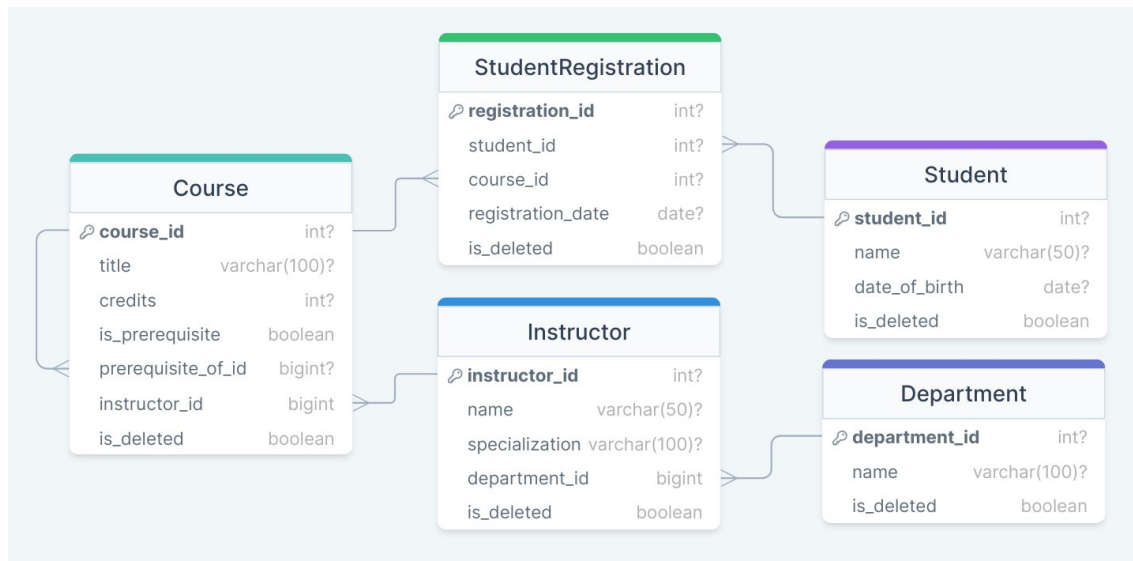


- **Creating Database**



- Create University database based on ERD that has been provided
- Create tables Student, StudentRegistration, Course, Instructor, Department and relations (FK) between them
- Implement a logical deletion mechanism in tables by adding a new column named "is_deleted" and update the appropriate rows accordingly.
- Each course can be a prerequisite for only one course and each course can have 1 or more prerequisites. (Self Relation)

Example: python and algorithm courses are prerequisites of ML course.

- Insert some data in the tables
- Update and Delete some of the records that you inserted.
- Use Alter, Drop, Rename operations on tables at least once to see the results

- **Psycopg2**

Use the previous Database you created and try to design a console interface (Terminal Menu) to do CRUD operations on Student, StudentRegistration, Course, Instructor, Department tables.

(CRUD operations mean Create – Read – Update – Delete)

Note:

- To simplify the question you can start with 1 instructor and 1 department, that exist already in the database. But the rest of records should be inserted or updated, with the program that you are designing.

Required Functionality:

1. Add Student | Course | StudentRegistration
2. Show Student | Course | StudentRegistration
3. Update Student | Course | StudentRegistration
4. Delete Student | Course | StudentRegistration

You can expand the question as you wish and add more complex functionality.