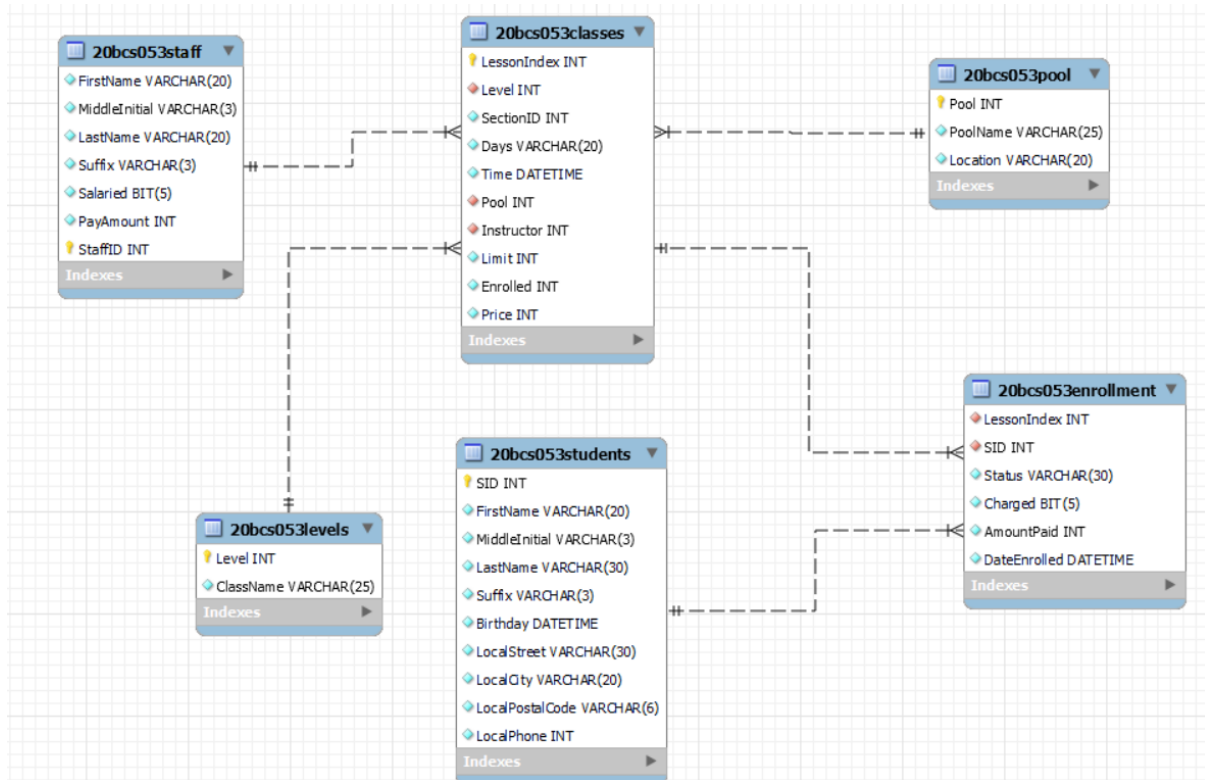


DBMS-HACKATHON

NAME: HARSHIT SAXENA

ROLL NO: 20BCS053



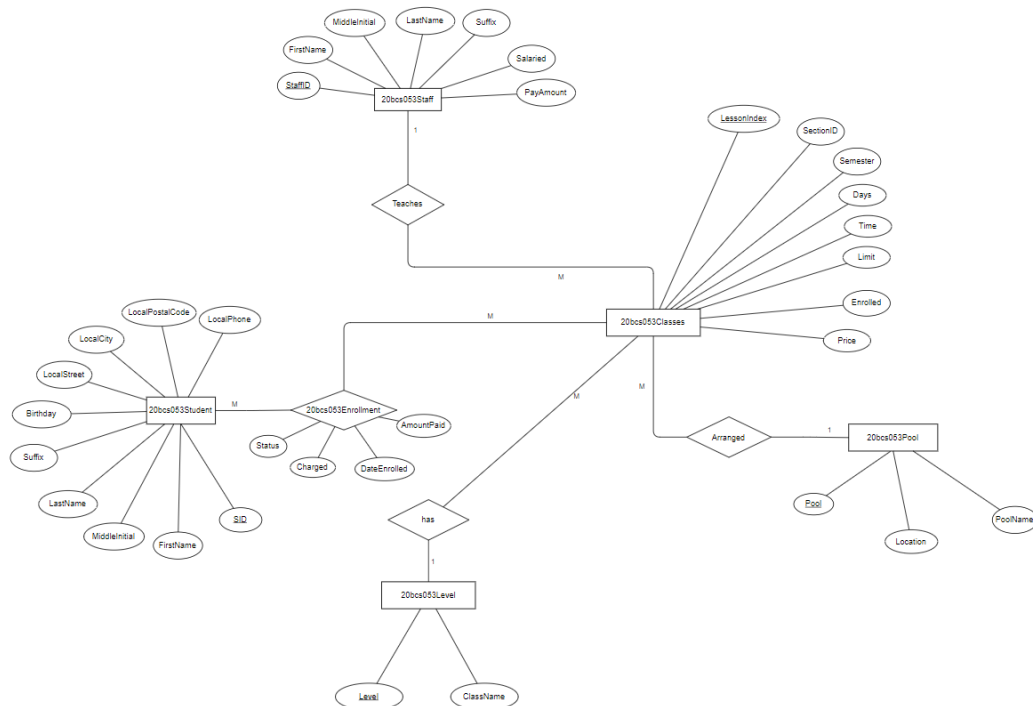
2. All the relationships in the above ERD diagram are binary relationships.

The Degree of these relationships is 6 (Quaternary)

The cardinality of these relationships is as follows:

- Students-Enrollment : One to Many
- Enrollment-Classes: Many to One

- Classes-Staff: Many to One
- Classes-Pool: Many to One
- Classes-Level: Many to One



The only weak entity in this model is 20BCS053Enrollment.

This is because it does not have a Primary Key consisting of attributes of its own, but has 2 Foreign Keys taken together as its Primary Key. Therefore, the entity's existence depends on the existence of the other 2 entities.

Remaining all entities are strong.

There is no data redundancy occurring in this model.

All the tables have the necessary and relevant information stored in them, and where there is a need, foreign keys are made use to reference data in other relations..