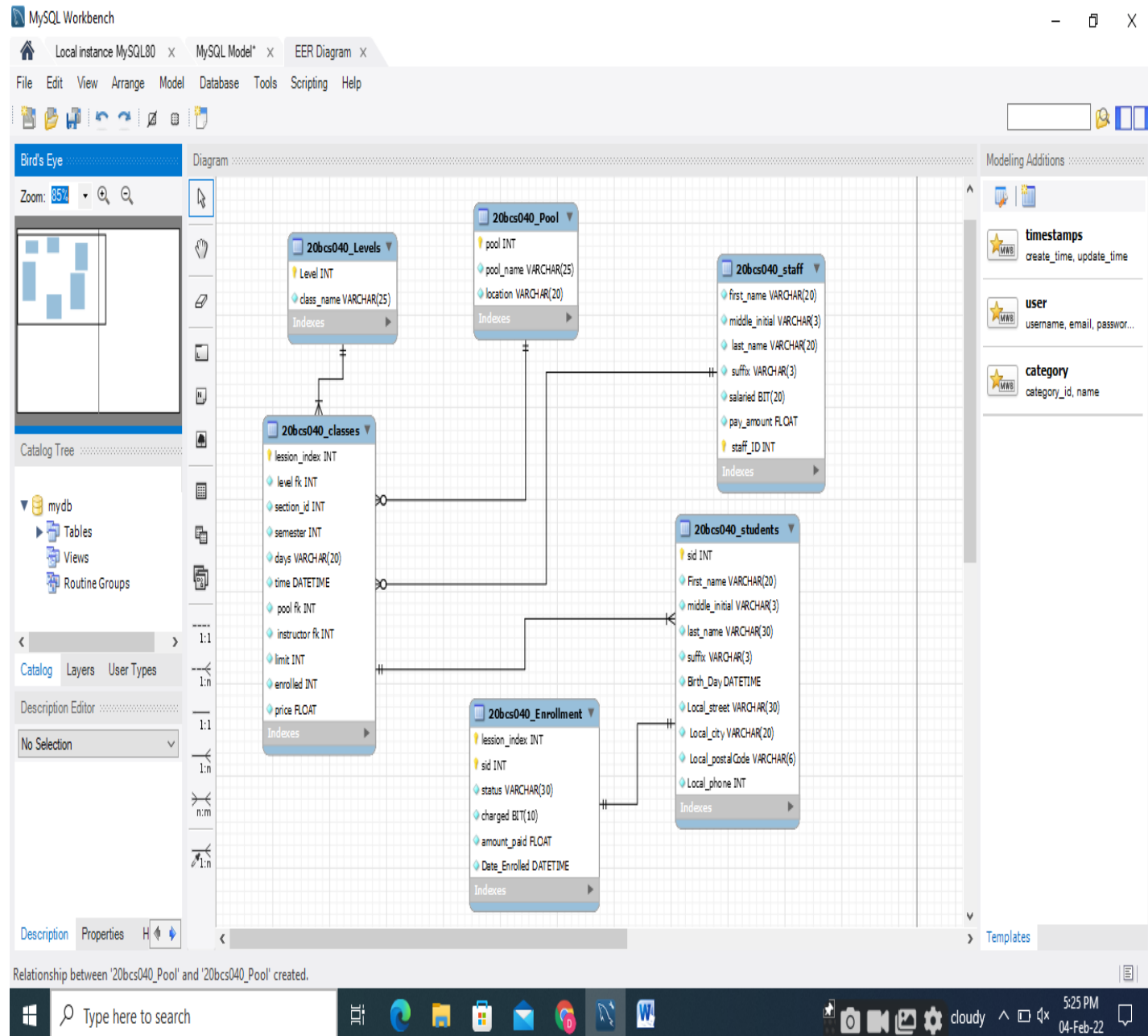


Name:- Dhanisht Kumar (20bcs040)

Course:- DBMS

ERD:-



- There is six relations in the existing ERD
- From the 'Classes' relation prespective, there is 'many to one' relationship between the classes and levels It means that each level associated with atleast one class
- There is many to one relationship between classes and pool relation with no mandatory condition, it means that a pool may not have a class.
- Similarly, there is 'many to one' relationship between classes and staffs table with no mandatory condition, it means that a staff may not taught a class.
- There is 'one to many' relationship between classes and students with mandatory condition, it means that students must be enrolled in at least one class.
- There is 'one to one' relationship between student and enrollment table with mandatory condition, each student must be enrolled for the course.
- **Different Keys:-**
- I've made the 'level' , 'pool' , 'insturctor' as a FK in referencing table "20bcs040_Classes" and level is in referenced table "Levels" , pool is in referenced table "20bcs040_Pool" and instructor is in referenced table "20bcs040_staffs" as a null.
- **Weak Entities:-**
- '20bcs040_Pool' is a weak entity