

# Stored Procedures - Practice

# EduBD

student(student\_id, first\_name, last\_name, dob, gender, address, note, *class\_id*)

subject(subject\_id, name, credit, percentage\_final\_exam)

lecturer(lecturer\_id, first\_name, last\_name, dob, gender, address, email)

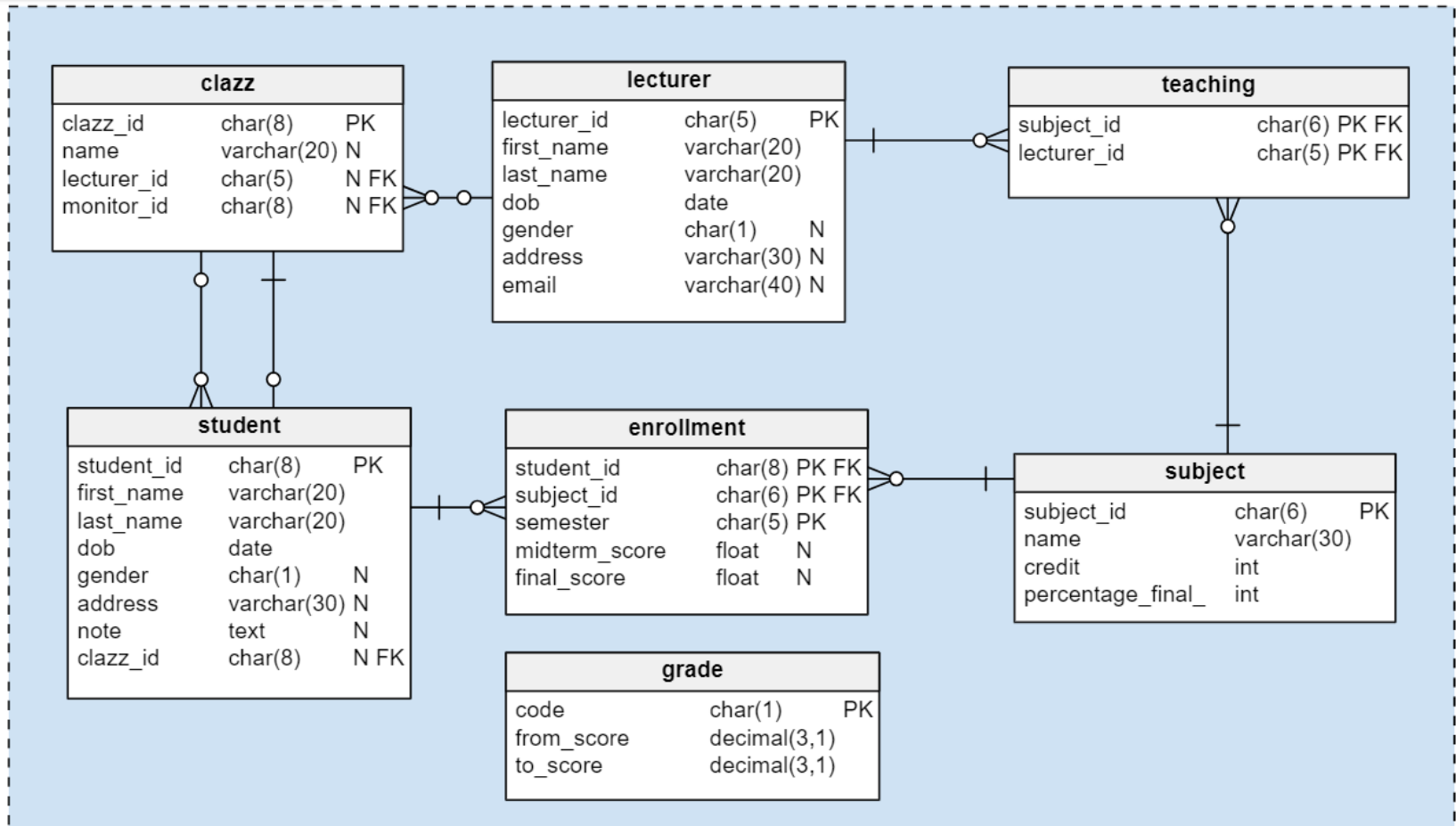
teaching(subject\_id, lecturer\_id)

grade(code, fromScore, toScore)

clazz(clazz\_id, name, *lecturer\_id*, *monitor\_id*)

enrollment(student\_id, subject\_id, semester, midterm\_score, final\_score)

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# Define a function

- Write a function computing the number of students for a given class ID
- Try to call this function from superuser account

# Execute a function with normal role

- Define an user role named : **joe**; pass: **12345678**
- Login with **joe** account → **execute** this function
- Login with superuser => **Grant** execute privilege on this function to joe
- Login with **joe** account => **Execute**

# Exercise

- Add a new attribute (named: `number_students`, data type: integer) on `clazz` table to store number of students in class.
- Define a function (named `update_number_students()`) that computes the number of students for each class and update the correct value for `number_students` attribute.
- Check values in this attribute before and after calling the function `update_number_students()`