# Assignment 6 – Roles & Permissions, PL/pgSQL: Stored Procedures and Triggers

Based on the BigCompany database provide:

* Create a superuser role that will be the db administrator, with complete access to the db.
* Create 2 group roles: one for “normal” employees, that will be able only to retrieve information from any table but do not have access to the job\_history table and one for “employee manager” that can also modify the tables in the database.
* Create 2 user roles: one should be a simple employee, and the other one should be also a manager.

(Remember to use the appropriate grant/revoke statements for the db, the schema, the various objects)

* Create a stored procedure (function) that takes in input one employee\_id and returns in output all the information about the employee (first name, last name, etc. as well as her job history). Select appropriate input/output types (don’t worry if the records contain lots of duplicate information e.g. first, last, etc.).
* Modify the Job table to include a field named last\_update that is automatically set to the current time whenever a record is created OR updated.
* When a record is modified in the Employee table a corresponding record should be automatically created in the job\_history table (TRIGGER).

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