Hibernate Assignments

1. Perform basic CRUD operations on single database table using hibernate.

   Now try following:

   a. Find out difference between get() & load() methods on session object.

   b. Find out difference between persist() &save() methods on session object.

   c. Find out difference between update() &merge() methods on session object.

   d. Insert a record into table using SQL instead of HQL.

   e. Test different values of '*hbm2ddl.auto*' in hibernate.cfg.xml.

   f. Test AUTO, SEQUENCE & IDENTITYprimary key generation strategies using GenerationTypes i.e. by configuring them into entity class.

2. Perform the following database operation using HQL& Criteria API-

   A. Find total salary of all employees.

   B. List down all employees ordered by their salary. Try with both HQL & Criteria.

   C. Group the employees based upon their city.

D. Calculate the average salary of employees.

E. List down employees having salary more than 10,000.

F. Configure all above queries as Named queries inside entity using annotation & read the HQL from there.