Lab Exercise: Hibernate as JPA Provider

From here onwards, we'll be using Hibernate as a JPA provider. So if you're a beginner please make sure that you've gone through the "What is JPA" and "Hibernate as JPA Provider" lectures before you begin this lab exercise.

Task 1: Convert the hello-world project from the Hibernate project to a JPA project.

Steps required for that will be, 1) create a META-INF folder in the root of the classpath of your application (i.e. right inside the *src* folder), 2) create a persistence.xml file inside the META-INF folder, 3) remove the hibernate.cfg.xml file from the hello-world project.

Task 2: Configure the persistence.xml file for the database connection and other settings.

Task 3: Once, you've got the JPA project setup with the persistence.xml file in place, create an EntityManagerFactory using the persistence unit in the persistence.xml file, and with the help of the Persistence class calling the Persistence.*createEntityManagerFactory()* method, and then create an EntityManager from it and begin the transaction, and then use the newly created EntityManager object to persist a Message object into the message table.

***The source code files for the lecture on "Hibernate as JPA Provider" are available to be downloaded with this lab exercise. You could use them to complete the given tasks successfully.