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| **Prefix of Submitted Document** | **Description** |
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| Document1 | 1. ER Diagram. (Submitted both Initial ER (September) and the Most Latest ER). 2. Relational Table. |
| Document2 | 1. COMBINED\_DDL.SQL which contains Triggers, tables, constraints, procedures. 2. Queries for populating the tables with the sample data is in DataInsert.sql |
| Document3 | 1. DOCUMENT\_3A\_DETAILED\_Design\_and\_Constraints\_justification which discussed in detail needed advanced features like check constraints, procedures, triggers 2. For the TA’s benefit we have also created a PPT slide to skim over our design. DOCUMENT\_3A\_SHORT\_SLIDE\_Design\_and\_constraints\_justification 3. Document\_3B\_FD contains all the FD’s. |
| Document4 | This Readme |

**STEP 1) MAKING THE TABLE AND INSERTING DATA.**

PLEASE NOTE THAT WE HAVE HARDCODED OUR DB SCHEMA NAME as 'PKANAKI'. So you will have to use a text editor to replace all instances of 'PKANAKI.'with 'YOURSCHEMA.' in the 2 sql files below just in case you want to use a different schema name.

1) All the tables in our DB are declared in COMBINED\_DDL.SQL. So run this file first.

2) The given test data that is in our DB is declared in DATA\_INSERT.sql Run this file next

**STEP 2) GETTING THE JAVA CODE TO RUN.**

**One can follow either Technique 1 or 2. We recommend Technique 1**

**Technique 1** How to execute and compile code:

1) Unzip file and put java code from JAVA CODE DIRECTORY and put into the preferred IDE(We used eclipse).

2) Follow the link to import the ojdbc8.jar driver file in eclipse. [Please not that we need to download ojdbc8 for our project.] Link :- <https://www.javatpoint.com/example-to-connect-to-the-oracle-database>

3) [Optional] If you want to make any connection\_url or credentials changes then make them in Database.java.

4) Run our java project by running LoyaltyProgram.java.

5) THe command prompt is self explanatory.

**Technique 2:-** Import folder Eclipse\_import into Eclipse. Follow Point 2 from Technique 1.

**Technique 3** to execute the java jar.

Use the executable and run the following command. Following is a successful execution of the program. I have packaged all dependencies as well.

java -jar DBMS.jar

