**CIS 450/550: Database and Information Systems**

*Fall 2016*

**Appendix for Homework 1**

This document briefly summarizes how to get started in using RDS services for the first part of Homework 1. RDS is a web service that makes it easy to set up, operate, and scale a relational database in the cloud and gives you access to the capabilities of a familiar MySQL, Oracle or Microsoft SQL Server database engine.

First, sign up (if you have not already) for AWS Educate: aws.amazon.com/educate

**Relational Database Service (RDS)**

The database for the first part of the homework has been set up for you on Amazon RDS.

**Connecting to Homework 1 - Oracle database instance using sqlplus (*Preferred)*:**

To connect to the sqlplus client, use **ssh** to log into your eniac account. Instructions are available [here](http://www.seas.upenn.edu/cets/answers/remote.html).

At the command prompt enter the following command:

sqlplus 'student@(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST= cis550-db-project.ctlq74kqmuns.us-east-1.rds.amazonaws.com)(PORT=1521))(CONNECT\_DATA=(SID=ORCL)))'

You will be prompted to enter a password. The password for this database is cis550hw1. You should now see a SQL prompt where you can enter your queries.

Now we need to set a default *schema*. The one with sample tables is called **cis550project**.

alter session set current\_schema= cis550project;

**Connecting to Homework 1 database instance using other SQL clients:**

The following details will be needed for setting up a connection to the database

|  |  |
| --- | --- |
| Connection Name | HW1 |
| Username | student |
| Password | cis550hw1 |
| Host Name | cis550-db-project.ctlq74kqmuns.us-east-1.rds.amazonaws.com |
| Port | 1521 |
| SID  (or Database name) | ORCL |