CSE 4508 – RDBMS Programming Lab

Lab 2

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1. Synonyms
   a. From system, create User U1 and grant all privileges
   b. Connect to U1, and make a table T1 (ID – Number, Name – Varchar2)
   c. Insert values and logout
   d. From system, create a public synonym for table T1, called S1
   e. Create another user U2 with all privileges, and access table T1 through the synonym S1
2. Cardinality
   a. Establish a one to one relationship
      i. Create a table Teachers (t_id Number, Name – Varchar2) & a table Assistants (a_id Number, Name – Varchar2) with appropriate primary keys and foreign keys. Insert values to show the 1-1 relationship.
   b. Establish a one to many relationship
      i. Create a table Courses (c_id Number, Name – Varchar2) with appropriate primary and foreign keys, and establish a 1-Many relationship with Teachers. (Teachers=1, Courses=Many). Insert values to show this relationship.
   c. Establish a many to many relationship
      i. Create a table Students (s_id Number, Name – Varchar2) with appropriate primary and foreign keys
      ii. Create a junction table Student_Course (s_id, c_id) with appropriate foreign keys.
      iii. Insert values to show the Many-Many relationship created between Students and Courses via Student_Course.
3. Display the list of all tables created, sorted with respect to time of creation.