

CSE 4508 – RDBMS Programming Lab

Lab 2

Prerequisites: Oracle 10g Express Edition, Notepad

Instructor: Sadaf MD Halim

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.