



Lab Test This Week



Getting Started

- ▶ READ the document
- ▶ READ what you are being asked to do
- ▶ Underline/highlight entities, relationships and attributes
- ▶ Make sure
 - ▶ You have access to Webcourses AND
 - ▶ You know what you need to submit and where
- ▶ Estimated time to complete: 5- 10 mins



Complete ERD

- ▶ Review your notes
- ▶ Draw the diagram using ERWIN
 - ▶ Start -> ALL Programs -> CA folder -> ERWin Data Modeller
 - ▶ Logical/physical model
- ▶ Ensure that you select the Correct datatypes
 - ▶ Use VARCHAR2 for character data, NUMBER for numeric data, NUMBER(x,y) for monetary or decimal data, DATE for dates
- ▶ Ensure you choose the correct type of relationships
- ▶ Generate your SQL to create the tables from ERWin
 - ▶ Change to physical then Actions -> Forward Engineer -> Schema
 - ▶ Include commands to drop the tables
 - ▶ All primary keys and foreign keys should be created as part of the CREATE TABLE commands
 - ▶ Change the names of the foreign key constraints to conform to the format specified
 - ▶ Comment your SQL
- ▶ Estimated time to complete: 15-20 mins



Populate the Database

- ▶ Execute the CREATE SQL
 - ▶ Verify that it works
- ▶ Write the INSERT Statements
- ▶ Include a commit
- ▶ Comment your SQL
- ▶ Save your SQL
- ▶ Run them and check that they have worked
 - ▶ E.g. run select statements against the tables and make sure you see the data you expect
- ▶ Estimated time to complete: 10 - 15mins



Develop the SQL to answer questions posed

- ▶ Write the SQL statements
- ▶ Verify that it works
- ▶ Comment your SQL
- ▶ Save your SQL
- ▶ Estimated time to complete: 10 - 15mins



Review and Submit

- ▶ Check to make sure you have completed everything you need
- ▶ Make sure you name your files correctly
- ▶ Check that you have included comments in your SQL
- ▶ Submit via Webcourses
- ▶ Estimated time to complete: 5mins

