



Practical C2 – Insert, Update & Delete Records

Objectives of this practical

- You will learn how to insert (populate) data into a relation using different methods.

Section A: Populate Course_Relation - Insert Statement by specifying Column List

Instruction: Download the **Course_relation.txt** from BB.

1. Insert into the Course_Relation those diploma courses without lab_fee. Do not specify NULL in the column value list.
2. Insert into the Course_Relation those diploma courses with lab_fee. Do not specify the column list.
3. Use the SELECT statement to list all the rows in the table (with all the attributes/columns).

Section B: Populate Department_Relation - Insert Statement without specifying the Column List

Instruction: Download the **Department_relation.txt** from BB.

1. Insert all the rows for the Department_Relation. Do not specify the column list in your insert statements.

Section C: Populate Staff_Relation

Instruction: Download the **Staff Relation.sql** from BB.

1. Insert all the rows for the Staff_Relation by executing the StaffRelation(For Student).sql file.

Section D: Backup a table

1. Write the SQL statement to backup the staff_relation into a new table, staff_relation_backup.

Hint:

- (a) Create the table staff_relation_backup (use Create Table SQL)
- (b) Insert records into the staff_relation_backup (use INSERT INTO FROM SQL)

Section E: Update rows in a table

1. Write the SQL statement to increase permanently the pay of all staff by 5%.
2. Write the SQL statement to decrease permanently the pay of all staff by \$50 and increase permanently the allowance of all staff by 10%.
3. Write the SQL statement to increase permanently by \$100 the pay of male full-time staff who joined before 1996.

Section F: Delete rows from a table

1. Write the SQL statement to remove the staff identified by staff number T001.
2. Write the SQL statement to remove all the data of the staff relation.

Section G: Restore the table from backup.

1. Write the SQL statement to restore the staff_relation from staff_relation_backup.

Hint:

(c) Insert records into the staff_relation from the backup (use INSERT INTO FROM SQL)