**Practical 02 – 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.

Insert into the Course\_Relation those diploma courses without lab\_fee. Do not specify NULL in the column value list.

Insert into the Course\_Relation those diploma courses with lab\_fee. Do not specify the column list.

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.

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.

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.

**Section E: Update rows in a table**

1. Write the SQL statement to increase permanently the pay of all staff by 5%.

1. Write the SQL statement to decrease permanently the pay of all staff by $50 and increase permanently the allowance of all staff by 10%.
2. 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.