Exercise : 1

Aim:

To create a simple table and implement sub queries.

Problem Description:

Create a simple table called client \_master and implement simple queries such as:

Exercise: 2

Aim:

To prepare a practical Based on Data Manipulation.

Problem Description:

Design and create a table called employee. Table contains relevant information about employees. Execute following operations:

1. Adding data with Insert,
2. Modify data with Update,
3. Deleting records with Delete

Exercise : 3

Aim:

To prepare a practical based on implementing Constrains.

Design and create tables sop, sales order product and salesorder contains relevant information on sales of different products. Execute following constraints:

1. NULL and NOT NULL,
2. Primary Key and Foreign Key Constraint
3. Unique, Check and Default Constraint

Exercise : 4

Aim:

To retrieve data from tables using different clauses methods.

Problem Description:

Design and create student table which contains information about student names, register numbers, year and their corresponding departments. Make use of following clauses:

1. Simple select clause,
2. Accessing specific data with Where, Ordered By,
3. Distinct and Group By

Exercise : 5

Aim:

To make use of Oracle’s built-in aggregate functions.

Problem Description:

Design and create an employee table which contains information such as name of the employee, department, salary, manager ID etc. Apply built-in functions: AVG, COUNT, MAX, MIN, and SUM.

Exercise: 6

Aim:

To use Sql\*Plus string functions.

Problem Description:

Take some simple text as example and make use of all possible string functions in Sql\*Plus.

Exercise: 7

Aim:

To implement Data and Time functions.

Problem Description:

Exercise: 8

Aim:

To implement use of union, intersection and set difference

Problem Description:

Design and create tables such as emp and emp2, both contains information such as name of the employee, department, salary, manager ID etc. Perform Union, Intersection and minus operations over the tables.

Exercise: 9

Aim:

To implement Nested Queries and Join operations.

Problem Description:

Design and create two tables such as emp and dept. Emp contains information about employees and dept contains information about department name and locations. By considering these tables, apply nested queries and join operation.

Exercise: 10

Aim:

To perform different operations of views.

Problem Description:

Design and create a table called Peron Information, personinfo, which contains details such as id, name and city. By making use this table, perform view operations such as create view, display view and dropping view.