

Assignment-3

* SQL Syntax

1 The create Table

→ CREATE ~~<Table Name>~~ Table (<Table name>
<Column Name 1> <Data type> (<size>), <Column
<Column Name 2> <Data type> (<size>));

2 Inserting Data into table

→ INSERT INTO <table name> (<column name 1>
<column name 2>) VALUES (<expression>
<expression 2>);

3 VIEWING DATA IN THE TABLES

- i) All Rows And All Columns

→ SELECT <Column name 1> TO <Column Name N> FROM
Table Name;

- ii) Full Table

→ SELECT * FROM <Table Name>;

4 Filtering Table Data

- Selected All Columns And Rows

→ SELECT <column name 1>, <Column name 2> FROM <Table
Name>;

- TABLE

→ SELECT * FROM <Table name>, WHERE <condition>;

- selected ^{and} columns ↓ Rows

→ SELECT <column Name 1>, <column Name 2>
FROM <Table Name> WHERE <condition>;

5 ELIMINATING DUPLICATE ROWS WHEN USING
A select statement.

→ select DISTINCT <column Name 1>, <column Name 2>
FROM <Table Name>;

- All Rows

→ SELECT DISTINCT * FROM <Table Name>;

6 SORTING Data in A TABLE

→ SELECT * FROM <TABLE Name>
ORDER BY <column Name 1>, <column Name 2>
<[sort order]>;

7 CREATING A TABLE FROM A TABLE

→ CREATE TABLE <Table Name> (<column Name 1>
<column Name 2>) AS select <column Name 1>
<column Name 2> FROM <Table Name>;

8 Inserting Data Into a Table From Another Table

→ INSERT INTO <Table Name>
SELECT <column Name 1>, <column Name N>
FROM <Table Name>;

- Insertion of A Data set into A table From Another Table

→ INSERT INTO <Table Name> SELECT <column Name 1>
<column Name N> FROM <Table Name>
WHERE <condition>;

9 DELETE OPERATIONS

- Removal of all Rows

→ DELETE FROM <Table Name>;

- Removal of specific Rows

→ DELETE FROM <TableName> WHERE <condition>;

10 UPDATING THE CONTENTS OF A TABLE

- Updating All Rows

→ Updating <Table Name>

SET <column Name 1> = <Expression 1>, <column Name 2> = <Expression 2>;

- Updating Records Conditionally

→ UPDATE <Table Name>

SET <ColumnName1> = <Expression1>, <ColumnName2>
= <Expression2> WHERE <Condition>;

11 MODIFYING THE STRUCTURE OF TABLE

- Adding New Columns

→ ALTER TABLE <Table Name>

ADD <new columnName> <Data type> (<size>);
<new columnName>, <Data type> (<size>) ---);

- Dropping A Column From A Table

→ ALTER TABLE <Table Name> DROP COLUMN <columnName>;

- Modifying Existing Columns

→ ALTER TABLE <Table Name>

MODIFY (<columnName>, <New Data type>
<new size>));

12 RENAMING TABLES

→ RENAME <Table Name> TO <New Table Name>;

13 TRUNCATING TABLES

→ TRUNCATE TABLE <Table Name>;

14 DESTROYING Tables

→ DROP TABLE [Table Name];

15 CREATING SYNONYMS

→ CREATE [OR REPLACE] [Public] SYNONYM [SCHEMA]
SYNONYM_NAME FOR [SCHEMA.]
OBJECT_NAME [(@) BLINK];

16 DROPPING Synonyms

→ DROP [Public] SYNONYM [SCHEMA] SYNONYM_NAME
[FORCE];