

Command	Syntax and Example
CREATE TABLE	<p><b>Syntax:</b></p> <ul style="list-style-type: none"> <li>• CREATE TABLE &lt;Table _Name&gt; (   &lt;Column_Name1&gt;&lt;Data_Type&gt;&lt;Size&gt;,   &lt;Column_Name1&gt;&lt;Data_Type&gt;&lt;Size&gt; )</li> </ul> <p><b>Example:</b></p> <ul style="list-style-type: none"> <li>• CREATE TABLE Emp (   ECD NUMBER(3),   Emp_Name VARCHAR2(25),   Emp_Add VARCHAR2(25),   DATE_OF_BIRTH DATE )</li> </ul>
INSERTING DATA INTO TABLE	<p><b>Syntax:</b></p> <ul style="list-style-type: none"> <li>• INSERT INTO &lt;table_name&gt; (&lt;column_name1&gt;,&lt;column_name2&gt;) VALUES (&lt;expression1&gt;,&lt;expression2&gt;);</li> </ul> <p><b>Example:</b></p> <ul style="list-style-type: none"> <li>• INSERT INTO BRANCH_MASTR (BRANCH_NO, NAME) VALUES ('B1', 'Vile Parle');</li> </ul>
VIEWING DATA IN THE TABLE	<ul style="list-style-type: none"> <li>• All Rows and All Columns</li> <li>• Filtering Table Data       <ol style="list-style-type: none"> <li>I. Selected Columns and all Rows.</li> <li>II. Selected Rows and all Columns.</li> <li>III. Selected Columns and selected Rows.</li> </ol> </li> </ul> <ul style="list-style-type: none"> <li>• <b><u>All Rows and All Columns:</u></b> <ul style="list-style-type: none"> <li>➤ <b><u>Syntax:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT &lt;Column_Name 1&gt; TO &lt;Column_Name N&gt; FROM Table_Name;</li> <li>▪ SELCECT * FROM &lt;Table_Name&gt;;</li> </ul> </li> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT EMP_NO, FNAME, MNAME, LNAME FROM EMP_MSTR;</li> <li>▪ SELECT * FROM EMP_MSTR;</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• <b><u>Filtering Table Data</u></b> <ul style="list-style-type: none"> <li>I. <b><u>Selected Columns and all Rows:</u></b> <ul style="list-style-type: none"> <li>➤ <b><u>Syntax:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT &lt;Column_Name1&gt;, &lt;Column_Name2&gt; FROM &lt;Table_Name&gt;;</li> </ul> </li> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT FNAME, LNAME FROM EMP_MSTR;</li> </ul> </li> </ul> </li> <li>II. <b><u>Selected Rows and Columns:</u></b> <ul style="list-style-type: none"> <li>➤ <b><u>Syntax:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT * FROM &lt;Table_Name&gt; WHERE &lt;Condition&gt;;</li> </ul> </li> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT * FROM BRANCH_MASTR WHERE NAME= 'Vile Parle';</li> </ul> </li> </ul> </li> <li>III. <b><u>Selected Columns and Selected Rows:</u></b> <ul style="list-style-type: none"> <li>➤ <b><u>Syntax:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT &lt;Column_Name1&gt;, &lt;Column_Name2&gt; FROM &lt;Table_Name&gt; WHERE &lt;Condition&gt;;</li> </ul> </li> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>▪ SELECT ACCT_NO, BRANCH_NO FROM ACCT_MSTR WHERE TYPE='SB';</li> </ul> </li> </ul> </li> </ul> </li> </ul>
ELEMENATING DUPLICATE ROWS	<p><b><u>Syntax:</u></b></p> <ul style="list-style-type: none"> <li>• SELECT DISTINCT &lt;Column_Name1&gt;, &lt;Column_Name2&gt; FROM &lt;Table_Name&gt;;</li> <li>• SELECT DISTINCT * FROM &lt;Table_Name&gt;;</li> </ul> <p><b><u>Example:</u></b></p> <ul style="list-style-type: none"> <li>• SELECT DISTINCT OCCUP FROM CUST_MASTR;</li> <li>• SELECT DISTINCT * FROM BRANCH_MASTR;</li> </ul>
SORTING DATA IN A TABLE	<p><b><u>Syntax:</u></b></p> <ul style="list-style-type: none"> <li>• SELECT * FROM &lt;Table_Name&gt; ORDER BY &lt;Column_Name1&gt;, &lt;Column_Name2&gt; &lt;[SortOrder]&gt;;</li> </ul>

	<p><b>Example:</b></p> <ul style="list-style-type: none"> <li>• SELECT * FROM BRANCH_MSTR ORDER BY NAME;</li> <li>• SELECT * FROM BRANCH_MSTR ORDER BY NAME DESC;</li> </ul>
CREATE A TABLE FROM A TABLE	<p><b>Syntax:</b></p> <ul style="list-style-type: none"> <li>• CRATE TABLE &lt;Table_Name&gt; (&lt;Column_Name1&gt;,&lt;Column_Name2&gt;) AS SELECT &lt;Column_Name1&gt;, &lt;Column_Name2&gt; FROM &lt;Table_Name&gt;;</li> </ul> <p><b>Example:</b></p> <ul style="list-style-type: none"> <li>• CREATE TABLE ACCT_DTLS (ACCT_NO, BRANCH_NO) AS SELECT ACCT_NO, BRANCH_NO FROM ACCT_MSTR;</li> <li>• CREATE TABLE ACCT_DTLS (ACCT_NO, BRANCH_NO) AS SELECT ACCT_NO, BRANCH_NO FROM ACCT_MASTER WHERE 1=2;</li> </ul>
INSERTING DATA INTO A TABLE FROM ANOTHER TABLE	<p><b>Syntax:</b></p> <ul style="list-style-type: none"> <li>• INSERT INTO &lt;Table_Name&gt; SELECT &lt;Column_Name1&gt;, &lt;Column_Name N&gt; FROM &lt;Table_Name&gt;;</li> <li>• INSERT INTO &lt;Table_Name&gt; SELECT &lt;Column_Name1&gt;, &lt;Column_Name N&gt; FROM &lt;Table_Name&gt; WHERE &lt;Condition&gt;;</li> </ul> <p><b>Example:</b></p> <ul style="list-style-type: none"> <li>• INSERT INTO ACCT_DTLS SELECT ACCT_NO, BRANCH_NO FROM ACCT_MSTR;</li> <li>• INSERT INTO ACCT_DTLS SELECT ACCT_NO, BRANCH_NO FROM ACCT_MSTR WHERE ACCT_NO LIKE 'SB%';</li> </ul>
DELETE OPERATION	<p><b>Removal of all Rows:</b></p> <p>➤ <b>Syntax:</b></p> <ul style="list-style-type: none"> <li>• DELETE FROM &lt;Table_Name&gt;;</li> </ul> <p><b>Removal of specific Rows:</b></p> <p>➤ <b>Syntax:</b></p> <ul style="list-style-type: none"> <li>• DELETE FROM &lt;Table_Name&gt; WHERE &lt;Condition&gt;;</li> </ul>

	<p><b><u>Removal of specific row based on the data held by the other table:</u></b></p> <p><b><u>Removal of all Rows:</u></b></p> <p>➤ <b><u>Example:</u></b></p> <ul style="list-style-type: none"> <li>• DELETE FROM ACCT_DTLS;</li> </ul> <p><b><u>Removal of specific Rows:</u></b></p> <p>➤ <b><u>Example:</u></b></p> <ul style="list-style-type: none"> <li>• DELETE FROM ACCT_DTLS WHERE ACCT_NO LIKE 'SB%';</li> </ul> <p><b><u>Removal of specific row based on the data held by the other table:</u></b></p> <p>➤ <b><u>Example:</u></b></p> <ul style="list-style-type: none"> <li>• DELETE FROM ADDR_DTLS WHERE EXISTS (SELECT FNAME FROM CUST_MSTR WHERE CUST_MSTR.CUST_NO = ADDR_DTLS.CODE_NO AND CUST_MSTR.FNAME = 'Ivan');</li> </ul>
<p>UPDATING THE CONTENTS OF A TABLE</p>	<p><b><u>All the rows from a table:</u></b></p> <p>➤ <b><u>Syntax:</u></b></p> <ul style="list-style-type: none"> <li>• UPDATE &lt;Table_Name&gt; SET &lt;Column_Name 1&gt; = &lt;Expression 1&gt;, &lt;Column_Name2&gt; = &lt;Expression 2&gt;;</li> </ul> <p><b><u>A select set rows from a table:</u></b></p> <p>➤ <b><u>Syntax:</u></b></p> <ul style="list-style-type: none"> <li>• UPDATE &lt;Table_Name&gt; SET &lt;Column_Name 1&gt; = &lt;Expression 1&gt;, &lt;Column_Name2&gt; = &lt;Expression 2&gt; WHERE &lt;Condition&gt;;</li> </ul>

	<p><b><u>All the rows from a table:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>• UPDATE ADDR_DTLS SET City = 'Bombay';</li> </ul> </li> </ul> <p><b><u>A select set rows from a table:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>• UPDATE ADDR_DTLS SET City = 'Bombay' WHERE NAME = 'Vile';</li> </ul> </li> </ul>
MODIFY THE STRUCTURE OF TABLE	<p><b><u>Adding New Columns:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Syntax:</u></b> <ul style="list-style-type: none"> <li>• ALTER TABLE &lt;Table_Name&gt; ADD (&lt;New_Column_Name&gt; &lt;Datatype&gt;(&lt;Size&gt;), &lt;New_Column_Name&gt; &lt;Datatype&gt;(&lt;Size&gt;)..);</li> </ul> </li> </ul> <p><b><u>Dropping A Column From A Table:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Syntax:</u></b> <ul style="list-style-type: none"> <li>• ALTER TABLE &lt;Table_Name&gt; DROP COLUMN &lt;Column_Name&gt; ;</li> </ul> </li> </ul> <p><b><u>Modifying Existing Columns:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Syntax:</u></b> <ul style="list-style-type: none"> <li>• ALTER TABLE &lt;Table_Name&gt; MODIFY (&lt;Column_Name&gt; &lt;Datatype&gt;(&lt;Size&gt;));</li> </ul> </li> </ul>
	<p><b><u>Adding New Columns:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>• ALTER TABLE BRANCH_MSTR ADD (CITY VARCHAR2(25));</li> </ul> </li> </ul> <p><b><u>Dropping A Column From A Table:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>• ALTER TABLE BRANCH_MSTR DROP COLUMN CITY;</li> </ul> </li> </ul> <p><b><u>Modifying Existing Columns:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Example:</u></b> <ul style="list-style-type: none"> <li>• ALTER TABLE BRANCH_MSTR MODIFY (CITY VARCHAR2(25));</li> </ul> </li> </ul>

RENAMING TABLE	<b>Syntax:</b> <ul style="list-style-type: none"><li>• RENAME &lt;Table_Name&gt; TO &lt;New_Table_Name&gt;;</li></ul>
	<b>Example:</b> <ul style="list-style-type: none"><li>• RENAME BRANCH_MSTR TO BRANCHES;</li></ul>
TRUNCATING TABLE	<b>Syntax:</b> <ul style="list-style-type: none"><li>• TRUNCATE TABLE &lt;Table_Name&gt;;</li></ul>
	<b>Example:</b> <ul style="list-style-type: none"><li>• TRUNCATE TABLE BRANCH_MASTER;</li></ul>
DESTROYING TABLES	<b>Syntax:</b> <ul style="list-style-type: none"><li>• DROP TABLE &lt;Table_Name&gt;;</li></ul>
	<b>Example:</b> <ul style="list-style-type: none"><li>• DROP TABLE BRANCH_MSTR;</li></ul>