

Learning Material for DDL

Below is the learning material that you are expected to read along with completion of the hands-on assignments. The material is mentioned in the order in which it should be read.

No	Material Title	Material Location	Type of Material	Classification
1	DDL	Less08 DDL.pdf	PDF	Mandatory
2	DDL	http://www.tutorialspoint.com/sql_certificate/using_ddl_statements.htm	Web	Suggestive

Hands-on Assignments for DDL

Complete the below hands-on assignments before proceeding with the next Topic

No.	Hands-on Assignment	Topics Covered	Status
1	Create the DEPT table based on the following table instance chart. Save the statement in a script called lab_10_01.sql , and then execute the statement in the script to create the table. Confirm that the table is created. Specification Values: Column named Dept_ID of Numeric 7 size and would be a primary key. Column named Dept_Name of varchar2 size 20.	DDL	<input type="checkbox"/>
2	Populate the DEPT table with data from the DEPARTMENTS table. Include only columns that you need. Insert dept Id 10 and Name Accounts Insert dept Id as null and Name as TT Correct by giving 20 and TT Insert A1 as Id and Accounts Correct by giving 30 and Accounts	DDL	<input type="checkbox"/>
3	Create the EMP table based on the following table instance chart. Save the statement in a script called lab_10_03.sql , and then execute the statement in the script to create the table. Confirm that the table is created. Specification- Values Column Name: ID, LAST_NAME, FIRST_NAME, DEPT_ID Key Type: PK, -, -, FK Nulls /Unique: -, Not null, -, -, FK Table: -, -, -, Dept FK Column: -, -, -, ID Data type: NUMBER, VARCHAR2, VARCHAR2, NUMBER Length: 7, 25, 25, 7 Insert 101, Sam, Sundar, 10	DDL	<input type="checkbox"/>

Insert 101,Ram,Krishna,20 Insert 102,Gopi,null,40 Insert 103,null,ram,20		
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Complete the below hands-on assignments before proceeding with the next Topic

No.	Hands-on Assignment	Topics Covered	Status																								
1	Run the below script Create table MY_EMPLOYEE as Select employee_id,first_name,last_name,department_id,salary from EMPLOYEES where 1=2;	DML	<input type="checkbox"/>																								
2	Test the table creation by viewing the structure using describe command <table><tr><td>Name</td><td>Null</td><td>Type</td></tr><tr><td>-----</td><td>-----</td><td>-----</td></tr><tr><td>EMPLOYEE_ID</td><td></td><td>NUMBER (6)</td></tr><tr><td>FIRST_NAME</td><td></td><td>VARCHAR2 (20)</td></tr><tr><td>LAST_NAME</td><td>NOT NULL</td><td>VARCHAR2 (25)</td></tr><tr><td>DEPARTMENT_ID</td><td></td><td>NUMBER (4)</td></tr><tr><td>SALARY</td><td></td><td>NUMBER (8,2)</td></tr><tr><td colspan="3">5 rows selected</td></tr></table>	Name	Null	Type	-----	-----	-----	EMPLOYEE_ID		NUMBER (6)	FIRST_NAME		VARCHAR2 (20)	LAST_NAME	NOT NULL	VARCHAR2 (25)	DEPARTMENT_ID		NUMBER (4)	SALARY		NUMBER (8,2)	5 rows selected			DML	<input type="checkbox"/>
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5 rows selected																											
3	Insert one record without listing the column names in the insert statement. Check whether data is inserted Eg: <table><tr><td>employee_id</td><td>first_name</td><td>last_name</td><td>department_id</td></tr><tr><td>salary</td><td></td><td></td><td></td></tr><tr><td>201</td><td>Michael</td><td>Hartstein</td><td>20</td></tr><tr><td>13000</td><td></td><td></td><td></td></tr></table>	employee_id	first_name	last_name	department_id	salary				201	Michael	Hartstein	20	13000				DML	<input type="checkbox"/>								
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salary																											
201	Michael	Hartstein	20																								
13000																											
4	Insert one record without listing the column names in the insert statement where salary value remain undetermined. Check whether data is inserted Eg: <table><tr><td>employee_id</td><td>first_name</td><td>last_name</td><td>department_id</td><td>salary</td></tr><tr><td>201</td><td>Michael</td><td>Hartstein</td><td>20</td><td>13000</td></tr><tr><td>202</td><td>Pat</td><td>Fay</td><td>20</td><td>(null)</td></tr></table>	employee_id	first_name	last_name	department_id	salary	201	Michael	Hartstein	20	13000	202	Pat	Fay	20	(null)	DML	<input type="checkbox"/>									
employee_id	first_name	last_name	department_id	salary																							
201	Michael	Hartstein	20	13000																							
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5	Insert one record with listing the column names avoiding salary column in the insert statement where salary value remain undetermined. Check whether data is inserted <table><tr><td>employee_id</td><td>first_name</td><td>last_name</td><td>department_id</td><td>salary</td></tr><tr><td>201</td><td>Michael</td><td>Hartstein</td><td>20</td><td>13000</td></tr><tr><td>202</td><td>Pat</td><td>Fay</td><td>20</td><td>(null)</td></tr><tr><td>203</td><td>Susan</td><td>Mavris</td><td>40</td><td>(null)</td></tr></table>	employee_id	first_name	last_name	department_id	salary	201	Michael	Hartstein	20	13000	202	Pat	Fay	20	(null)	203	Susan	Mavris	40	(null)	DML	<input type="checkbox"/>				
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203	Susan	Mavris	40	(null)																							
6	Use the above Script to insert the below given records	DML	<input type="checkbox"/>																								

	employee_id first_name last_name department_id salary 205 Shelley Higgins 110 12000 100 Steven King 90 24000 101 Neena Kochhar 90 17000 102 Lex De Haan 90 17000 111 Ismael Sciarra 100 7700 112 Jose Manuel Urman 100 7800 204 Hermann Baer 70 10000		
7	Create a query to increase salary by 10% for all employees in dept 90.	DML	<input type="checkbox"/>
8	Create a query to update Last_name of emp 202 to Higgins.	DML	<input type="checkbox"/>
9	Delete employees whose name either first or last name has char seq of 'man'		