

Practice Chapter 12: DDL Statement

Overview

In this practice, you write DDL statements

Chapter 12 practice 1 for chapter 12 lesson 1,2

1. Create a table called dept with two columns deptid with data type number(7), and deptname with data type varchar2(50)
2. Check the table structure using SQL developer and using describe command.
3. Create a table called emp with four columns emp_id as number(8), last_name as varchar2(50), hire_date as date default sysdate, dept_id as number(7)
4. Check the table structure using SQL developer and using describe command.
5. Insert a record in the emp table and don't put a value for hire_date column, check the insert record, what do you observe?

Chapter 12 practice 2 for chapter 12 lesson 3

1. Create a table called student with four columns student_id number(9), full_name varchar2(50), email varchar2(40) default 'test@test.com', registered_hours number(4), define student_id, full_name columns as not null, registered_hours must be greater than 0
2. Test the constraints by inserting sample records

Chapter 12 practice 3 for chapter 12 lesson 4

1. Create a table called instructor with four columns inst_id number(9), inst_name varchar2(50), email varchar2(40) default 'test@test.edu', faculty_name varchar2(40), define inst_id as primary key, inst_name not null, email as unique key
2. Test the constraints by inserting sample records

Chapter 12 practice 4 for chapter 5

1. Create a table called dept_new with three columns dept_id with data type number(7), and dept_name with data type varchar2(20), loc_id number(4), define dept_id as primary key and dept_name as not null
2. Create a table called emp_new with five columns emp_id with data type number(7), emp_name as varchar2(40), email as varchar2(60), salary as number(5), dept_id as number (7), define emp_id as primary key, dept_id as foreign key referenced dept_new (dept_id), salary must be between 400 and 20000, email unique, emp_name not null
3. Test the constraints by inserting sample records
4. Create a table called emp_new2 with five columns emp_id with data type number(7), emp_name as varchar2(40), email as varchar2(60), salary as number(5), dept_id as number (7), define emp_id as primary key, dept_id as foreign key referenced dept_new (dept_id) on delete cascade, salary must be between 400 and 20000, email unique, emp_name not null
5. Test the constraints by inserting sample records

Practice Chapter 12: DDL

Chapter 12 practice 5 for chapter 12 lesson 6

1. Create a table called emp_copy using select * from table emp_new
2. Check the structure of emp_copy table, check the constraints, what you noticed?
3. Create a table called dept_copy using select * from dept_new, name the columns as department_id, department_name, location_id
4. Check the structure of dept_copy table what you noticed?

Chapter 12 practice 6 for chapter 12 lesson 7

1. Alter emp_copy and add new column called manager_id number(7)
2. Alter table dept_copy change the size of the column department_name to varchar2(25)
3. Alter table emp_copy drop the column manager_id
4. Alter table dept_copy rename the column department_name to dept_name
5. Change the table dept_copy to read only and try to insert a record, what you noticed?
6. Change the table dept_copy to read write and try to insert a record

Chapter 12 practice 7 for chapter 12 lesson 8

1. Drop the following tables: emp_copy, dept_copy
2. Drop the following tables: emp_new2, dept, student, instructor use purge keyword