ADVANCED DATABASE MANAGEMENT STYSTEM LAB

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Roll No: 53

Batch: B

Date: 08/04/2022

Experiment No.: 3

Aim

To Familiarize DDL Commands- ALTER, DROP, TRUNCATE, RENAME.

1.Create a table emp with attributes empno number(4)as primary key, ename char(10),hiredate, salary, commission

 insert 5 rows of data

101	Ramesh	17-Jan 1980	5000	
102	Ajay	05-Jul 1985	5000	500
103	Ravi	12-Aug 1981	1500	
104	Nikesh	03-Mar 1983	3000	700
105	Ravi	05-jul 1985	3000	

2.Modifying the structure of tables

a. Add new columns: sal number (7,2)

b. Dropping a column from a table: sal

c. Modifying existing column:ename varchar2(15)

d. Renaming the tables: emp to emp1

e. Truncating the tables: emp1

f. Destroying tables:emp

3.Create a table stud with sname varchar2(20) primary key, rollno number (10) not null,dob date not null

4.Create a table student as regno number (6), mark number (3) check constraint (mark >=0 and mark

<=100));

5.Create a table cust with (custid number (6) constraint unique, name char(10))

Procedure

SQL Commands

CREATE DATABASE EMPLOYEE;

USE EMPLOYEE;

CREATE TABLE EMP (EMPNO int(4) PRIMARY KEY,ENAME char(10), HIREDATE date, SALARY int(5),COMMISSION int(5));

INSERT INTO emp(EMPNO, ENAME,HIREDATE,SALARY,COMMISSION) VALUES (101,'RAMESH','1980-01-17',5000,0),(102,'AJAY','1985-07-05',5000,500), (103,'RAVI','1981-08-12',1500,0),(104,'Nikesh','1983-03-03',3000,700), (105,'Ravi','1985-07-05',3000,0);
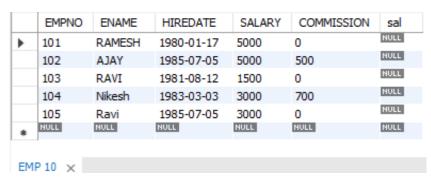
Output Screenshot

1.

SELECT *FROM EMP;

	EMPNO	ENAME	HIREDATE	SALARY	COMMISSION
▶	101	RAMESH	1980-01-17	5000	0
	102	AJAY	1985-07-05	5000	500
	103	RAVI	1981-08-12	1500	0
	104	Nikesh	1983-03-03	3000	700
	105	Ravi	1985-07-05	3000	0
*	NULL	NULL	NULL	NULL	NULL

2.

a.

ALTER TABLE emp ADD sal int;

	EMPNO	ENAME	HIREDATE	SALARY	COMMISSION	sal
▶	101	RAMESH	1980-01-17	5000	0	NULL
	102	AJAY	1985-07-05	5000	500	NULL
	103	RAVI	1981-08-12	1500	0	NULL
	104	Nikesh	1983-03-03	3000	700	NULL
	105	Ravi	1985-07-05	3000	0	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL

EMP 10 ✕

b.

ALTER TABLE emp DROP COLUMN sal;

EMPNO	ENAME	HIREDATE	SALARY	COMMISSION
101	RAMESH	1980-01-17	5000	0
102	AJAY	1985-07-05	5000	500
103	RAVI	1981-08-12	1500	0
104	Nikesh	1983-03-03	3000	700
105	Ravi	1985-07-05	3000	0
NULL	NULL	NULL	NULL	NULL

c.

ALTER TABLE emp MODIFY ename VARCHAR (15);

EMPNO	ename	HIREDATE	SALARY	COMMISSION
101	RAMESH	1980-01-17	5000	0
102	AJAY	1985-07-05	5000	500
103	RAVI	1981-08-12	1500	0
104	Nikesh	1983-03-03	3000	700
105	Ravi	1985-07-05	3000	0
NULL	NULL	NULL	NULL	NULL

d.

RENAME table emp to emp1;

SELECT *FROM emp1;

EMPNO	ename	HIREDATE	SALARY	COMMISSION
101	RAMESH	1980-01-17	5000	0
102	AJAY	1985-07-05	5000	500
103	RAVI	1981-08-12	1500	0
104	Nikesh	1983-03-03	3000	700
105	Ravi	1985-07-05	3000	0
NULL	NULL	NULL	NULL	NULL

e.

TRUNCATE TABLE emp1;

EMPNO	ename	HIREDATE	SALARY	COMMISSION
NULL	NULL	NULL	NULL	NULL

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f.

DROP TABLE emp1;

SELECT *FROM emp1;

| 85 11:36:26 SELECT * FROM EMP1 LIMIT 0, 1000 | Error Code: 1146. Table 'employee.emp1' doesn't exist | 0.000 sec |

3.

CREATE TABLE stud (sname varchar (20) PRIMARY KEY, rollno int NOT NULL, dob date NOT NULL);

	sname	rollno	dob
	NULL	NULL	NULL

4.

Create table student (regno int, mark int(3) constraint b check (mark >=0 and mark <=100)); SELECT * from STUDENT;

	regno	mark

5.

CREATE TABLE cust(custid int(6) UNIQUE, name char(10));

select *from cust;

	custid	name