ADVANCED DATABASE MANAGEMENT STYSTEM LAB

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Roll No:17

Batch: S2 RMCA B

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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.

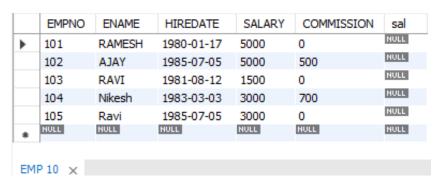
SELECT *FROM EMP;

	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;



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

f.

DROP TABLE emp1;

SELECT *FROM emp1;

85 11:3626 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);



4.

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



5.

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

select *from cust;

