ADVANCED DATABASE MANAGEMENT SYSTEM LAB

Experiment No.: 3

Aim

To familiarize ddl commands- alter,drop,truncate,rename

Question

Name: Silvia Thomas

Roll No: 38

Batch: MCA B

Date:08/03/2022

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));

In table student add check constraint(length(regno<=4))

5. Create a table cust with (custid number(6) constraint unique, name char(10) 6. Refer the table "stud" in table "student"

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Procedure

Create table emp:

CREATE TABLE EMP(EMPNO INT PRIMARY KEY, ENAME CHAR(10), HIREDATE DATE, SALARY INT, COMMISION INT);

INSERT INTO emp values(101, 'Ramesh', '1980-01-17', 5000, 0);

INSERT INTO emp values(102,'Ajay','1985-07-05',5000,500);

INSERT INTO emp values(103, 'Ravi', '1981-08-12', 1500, 0);

INSERT INTO emp values(104, 'Nikesh', '1983-03-03', 3000, 700);

INSERT INTO emp values(105, 'Ravi', '1985-07-05', 3000, 0);

Table emp:

SELECT * FROM EMP;

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

ALTER TABLE EMP ADD SAL INT;

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

ALTER TABLE EMP DROP COLUMN SAL;

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

ALTER TABLE EMP MODIFY ENAME VARCHAR(15);

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

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RENAME TABLE EMP TO EMP1;

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

TRUNCATE TABLE EMP1;

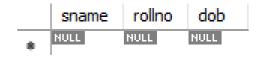


DROP TABLE EMP1;

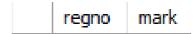


CREATE TABLE STUD(SNAME VARCHAR(20) PRIMARY KEY, ROLLNO INT NOT NULL, DOB DATE NOT NULL);

SELECT * FROM STUD;



CREATE TABLE STUDENT (REGNO INT, MARK INT(3) CONSTRAINT B CHECK (MARK >=0 AND MARK <=100)); SELECT * FROM STUDENT;



CREATE TABLE CUST(CUSTID NUMBER(6) UNIQUE, NAME CHAR(10));

