ADVANCED DATABASE MANAGEMENT SYSTEM LAB

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Roll No: 43

Batch: RMCA B

Date:o8/04/2022

Experiment No.: 3

Aim

To familiarize DDL Commands- ALTER,DROP,TRUNCATE,RENAME

Question

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"

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);
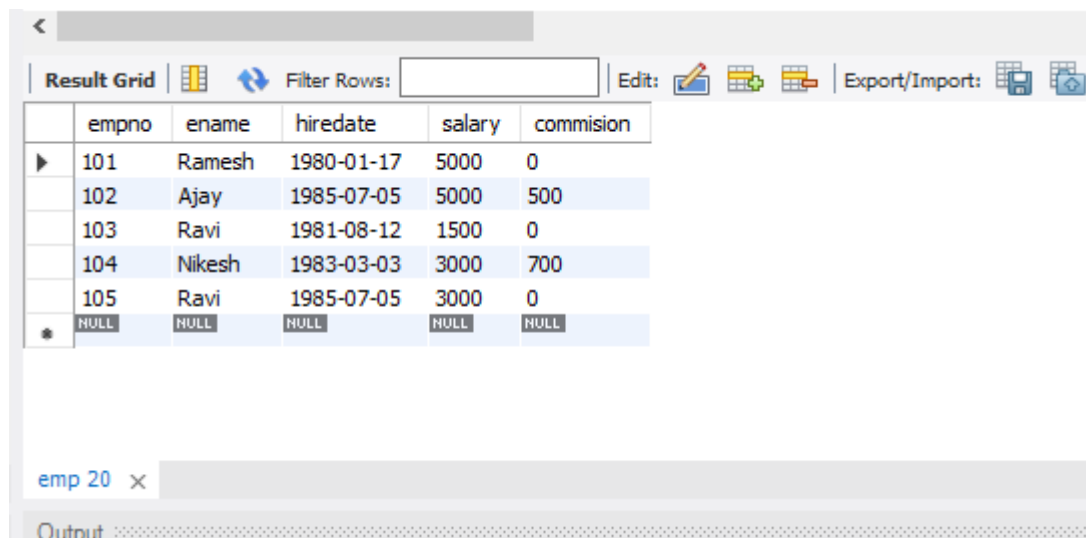
INSERT INTO EMP VALUES(103,'RAVI','1981-08-12',1500,0);

INSERT INTO EMP VALUES(104,'NIKESH','1983-03-03',3000,700);

INSERT INTO EMP VALUES(105,'RAVI','1985-07-05',3000,0);
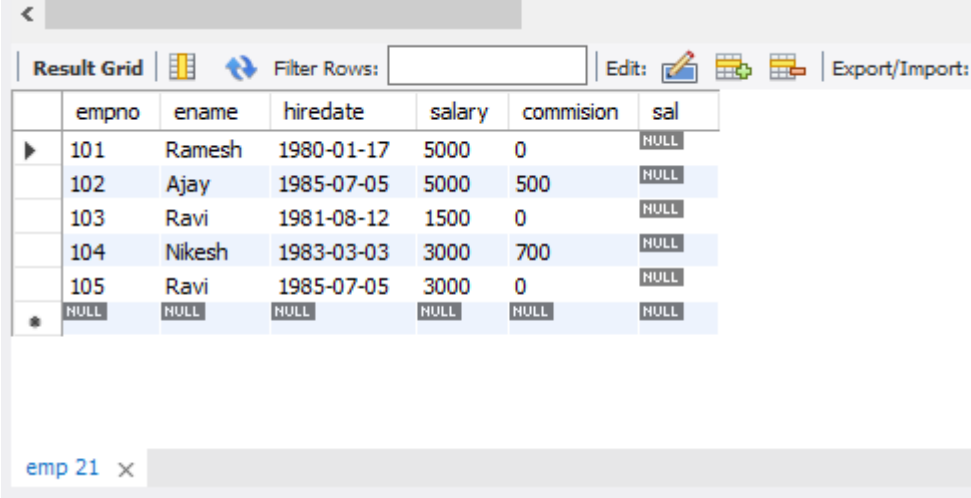
OUTPUT SCREENSHOTS

SELECT * FROM EMP;
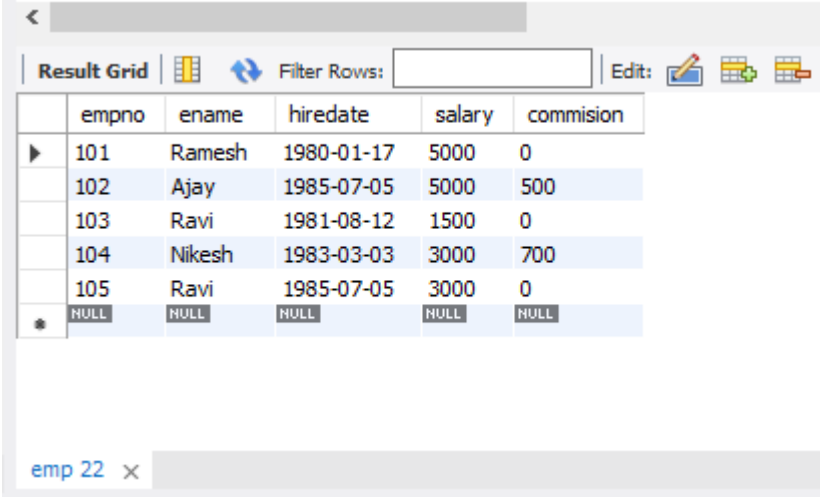
ALTER TABLE EMP ADD SAL INT;

empno	ename	hiredate	salary	commision	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 21 ✕
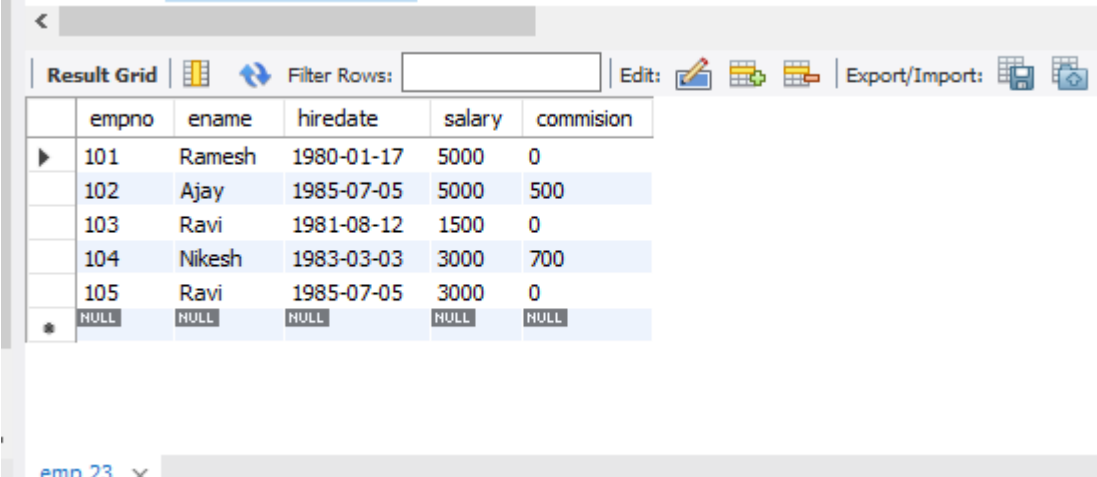
ALTER TABLE EMP DROP COLUMN SAL;

empno	ename	hiredate	salary	commision
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

emp 22 ✕

ALTER TABLE EMP MODIFY ENAME VARCHAR(15);

empno	ename	hiredate	salary	commision
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

emp 23 ✕

RENAME TABLE EMP TO EMP1;

empno	ename	hiredate	salary	commision
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

emp1 24 ×

TRUNCATE TABLE EMP1;

empno	ename	hiredate	salary	commision
NULL	NULL	NULL	NULL	NULL
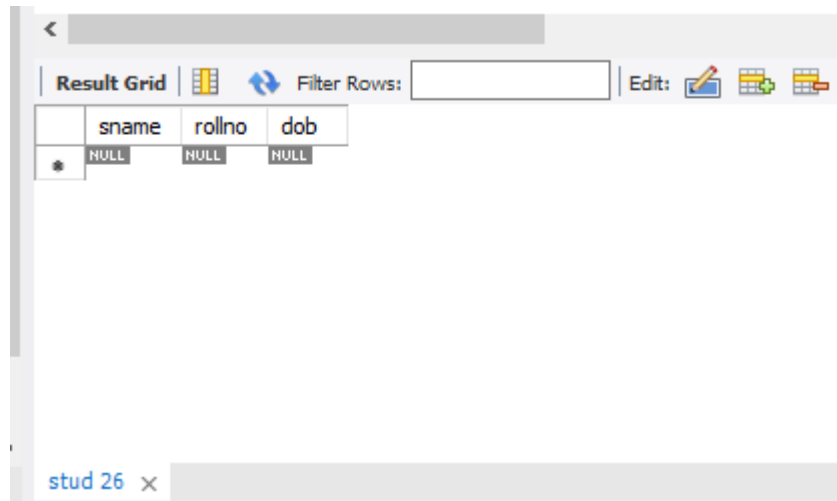
emp1 25 ×

DROP TABLE EMP1;

| ✓ | 65 | 10:50:12 | DROP TABLE emp1 | 0 row(s) affected | 0.750 sec |
| ✗ | 66 | 10:50:21 | select * from emp1 LIMIT 0, 1000 | Error Code: 1146. Table 'myacc.emp1' doesn't exist | 0.000 sec |

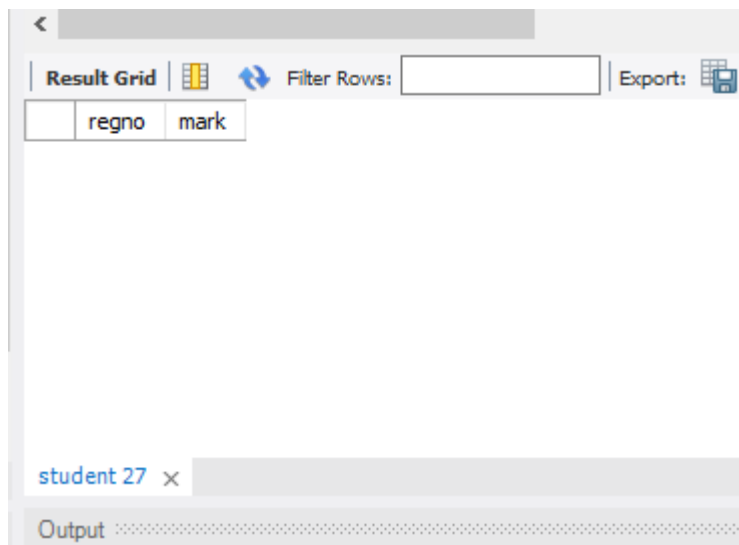CREATE TABLE STUD(SNAME VARCHAR(20) PRIMARY KEY, ROLLNO INT NOT NULL, DOB DATE NOT NULL);

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));

custid	Cname