JOMEESH JOSE ROLL NO: 03 RMCA-B

#### **EXPERIMENT NO. 3: DDL COMMANDS and CONSTRAINTS**

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

insert 5 rows of data

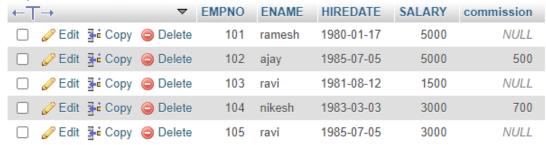
```
101
       Ramesh
                     17-Jan-1980
                                  5000
102
      Ajay
             05-Jul-1985
                            5000
                                  500;
103
       Ravi
             12-Aug-1981
                           1500
                     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

### **SQL QUERY**

create table EMP (EMPNO numeric(4) primary key, ENAME char(10), HIREDATE date, SALARY int(6))

INSERT INTO `emp`(`EMPNO`, `ENAME`, `HIREDATE`, `SALARY`, `commission`) VALUES (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);

## + Options



### 2. Modifying the structure of tables

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

## ALTER TABLE emp ADD sal numeric(7,2);



## b.Dropping a column from a table: sal

ALTER TABLE emp DROP COLUMN sal;



## c.Modifying existing column :ename varchar2(15)

ALTER TABLE emp MODIFY ENAME varchar(15);

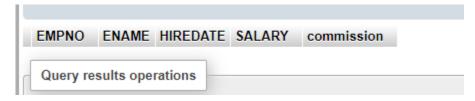


## d.Renaming the tables: emp to emp1

ALTER TABLE emp RENAME emp1;

### e.truncating the tables:emp1

TRUNCATE TABLE emp1;

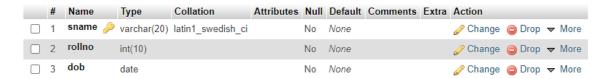


## f.Destroying tables:emp

DROP TABLE emp1;

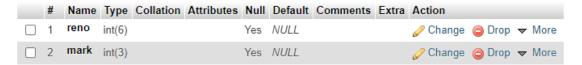
# 3.Create a table stud with sname varchar2(20) primary key , rollno number(10) not null,dob date not null

CREATE TABLE stud(sname varchar(20) PRIMARY KEY, rollno int(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));

CREATE TABLE student (reno int(6), mark int(3) CHECK (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)

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

