

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

```
CREATE TABLE emp(EMPNO INT(4) PRIMARY KEY, ENAME CHAR(10), HIREDATE DATE, SALARY INT(5), COMMISSION INT(5));
```

/*insert 5 rows of data*/

```
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);
```

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

/*2.Modifying the structure of tables */

-- 1. add new columns: sal number(7.2)

```
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

-- 2. dropping a column from a table:sal

```
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

-- 3. modifying existing column:ename varchar2(15)

```
ALTER TABLE emp MODIFY ename VARCHAR(15);
```

-- 4. renaming the tables: emp to emp1;

```
RENAME table emp to emp1;
```

-- 5. truncating the tables:emp1

```
TRUNCATE TABLE emp1;
```

-- 6 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 NOT NULL, dob date NOT NULL);
```

```
SELECT * FROM stud;
```

/*4.Create a table student as regno number (6), mark number (3) check constraint (mark >=0 and mark <=100)); */

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

```
SELECT * from STUDENT;
```

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

```
Alter table student add regno check (length(regno<=4));
```

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

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