

Jobin Joseph

S2 RMCA B

Roll no: 01

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;
```

QUERY

```
CREATE TABLE EMPLOYEE (EMP_NO int(4) PRIMARY KEY, EMPLOY_NAME char(10), HIRE_
DATE date, SALARY float(7,2), COMMISSION float(5,2))
```

```
INSERT INTO employee VALUES (101, 'RAMESH', '1980-01-17', 5000, '');
```

```
INSERT INTO employee VALUES (102, 'AJAY', '1985-07-05', 5000, 500);
```

```
INSERT INTO employee VALUES (103, 'RAVI', '1981-08-12', 1500, '');
```

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

```
INSERT INTO employee VALUES (105, 'RAVI', '1985-07-05', 3000, '');
```

OUTPUT

Show query box

Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)

```
SELECT * FROM employee
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	EMP_NO	EMPLOYEE_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

2.Modifying the structure of tables

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

QUERY

```
ALTER TABLE employee ADD sal numeric(7,2)
```

OUTPUT

Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)

```
SELECT * FROM `employee`
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	EMP_NO	EMPLOYEE_NAME	HIRE_DATE	SALARY	COMMISSION	sal
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00	NULL
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00	NULL
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00	NULL
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00	NULL
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00	NULL

☐ Check all | With selected: Edit Copy Delete Export

B.Dropping a column from a table: sal

QUERY

```
ALTER TABLE employee DROP sal
```

OUTPUT

Show query box

Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)

```
SELECT * FROM employee
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	EMP_NO	EMPLOYEE_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

C.Modifying existing column :ename varchar2(15)

QUERY

```
ALTER TABLE employee MODIFY EMPLOYEE_NAME varchar(15)
```

OUTPUT

Showing rows 0 - 4 (5 total, Query took 0.0006 seconds.)

```
SELECT * FROM employee
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	EMP_NO	EMPLOYEE_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit Copy Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit Copy Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit Copy Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit Copy Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit Copy Delete	105	RAVI	1985-07-05	3000.00	0.00

☐ Check all | With selected: Edit Copy Delete Export

D.Renaming the tables: emp to emp1

QUERY

```
ALTER TABLE employee RENAME to employ1
```

OUTPUT

Showing rows 0 - 4 (5 total. Query took 0.0018 seconds.)

```
SELECT * FROM `employ1`
```

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	EMP_NO	EMPOY_NAME	HIRE_DATE	SALARY	COMMISSION
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	101	RAMESH	1980-01-17	5000.00	0.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	102	AJAY	1985-07-05	5000.00	500.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	103	RAVI	1981-08-12	1500.00	0.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	104	NIKESH	1983-03-03	3000.00	700.00
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	105	RAVI	1985-07-05	3000.00	0.00

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

E.Truncating the tables:emp1

QUERY

```
TRUNCATE TABLE employ1
```

OUTPUT

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds.)

```
SELECT * FROM `employ1`
```

EMP_NO	EMPOY_NAME	HIRE_DATE	SALARY	COMMISSION
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Query results operations

Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

F.Destroying tables:em

QUERY

```
DROP TABLE employ1
```

OUTPUT

