

DATABASE MANAGEMENT SYSTEM

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EXP: 1

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CREATION OF DATABASE AND DML OPERATIONS

1. Create MY_EMPLOYEE table with the following structure

| NAME | NULL? | TYPE |
|------------|----------|-------------|
| ID | Not null | Number(4) |
| Last_name | | Varchar(25) |
| First_name | | Varchar(25) |
| Userid | | Varchar(25) |
| Salary | | Number(9,2) |

Create table my_employee(ID number(4),Last_name varchar (25),First_name varchar(25),userid varchar(25),salary number(9,2));

| Column Name | Data Type | Nullable | Default | Primary Key |
|-------------|--------------|----------|---------|-------------|
| ID | NUMBER(4,0) | No | - | - |
| LAST_NAME | VARCHAR2(25) | Yes | - | - |
| FIRST_NAME | VARCHAR2(25) | Yes | - | - |
| USERID | VARCHAR2(25) | Yes | - | - |
| SALARY | NUMBER(9,2) | Yes | - | - |
| 1 - 5 | | | | |

2. Add the first and second rows data to MY_EMPLOYEE table from the following sample data.

| ID | Last_name | First_name | Userid | salary |
|----|-----------|------------|----------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdancs | 860 |
| 3 | Biri | Ben | bbiri | 1100 |
| 4 | Newman | Chad | Cnewman | 750 |
| 5 | Ropebur | Audrey | aropebur | 1550 |

```

insert into my_employee(Id,Last_name,First_name,userid,salary)
values(1,'patel','Ralph','rpatel',895);          insert          into

my_employee(Id,Last_name,First_name,userid,salary)    values

(2,'dancs','betty','bdancs',860);

```

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|--------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdancs | 860 |

3. Display the table with values

```
Select *from my_employee
```

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|--------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdancs | 860 |

4. Populate the next two rows of data from the sample data. Concatenate the first letter of the first_name with the first seven characters of the last_name to produce Userid.

```

insert  into  my_employee(Id,Last_name,First_name,salary)

values      (3,'Biri','Ben',1100);          insert          into

my_employee(Id,Last_name,First_name,salary)    values

```

(4,'Newman','chad',750); update my_employee set userid=
SUBSTR(first_name, 1, 1) || SUBSTR(last_name,1, 7)

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|---------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdancs | 860 |
| 3 | Biri | Ben | bbri | 1100 |
| 4 | Newman | chad | Cnewman | 750 |

4 rows returned in 0.01 seconds

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5. Delete Betty dancs from MY_EMPLOYEE table.
6. delete from my_employee where first_name='Betty';

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|---------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 3 | Biri | Ben | bbri | 1100 |
| 4 | Newman | chad | Cnewman | 750 |

7. Empty the fourth row of the emp table.

delete from my_employee where ID=4;

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|--------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 3 | Biri | Ben | bbri | 1100 |

8. Make the data additions permanent.

commit;

9. Change the last name of employee 3 to Drexler. update my_employee set

last_name='Drexler' where ID=3;

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|--------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 3 | Drexler | Ben | bbri | 1100 |

10. Change the salary to 1000 for all the employees with a salary less than 900.

update my_employee

set salary=1000 where salary<900;

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|--------|--------|
| 1 | Patel | Ralph | rpatel | 1000 |
| 3 | Drexler | Ben | bbri | 1100 |