

## 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	-	-
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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