

**RAJALAKSHMI  
ENGINEERING COLLEGE RAJALAKSHMINA  
GAR, THANDALAM-602 105**



**RAJALAKSHMI  
ENGINEERING COLLEGE**  
An AUTONOMOUS Institution  
Affiliated to ANNA UNIVERSITY, Chennai

**CS23332 DATABASE MANAGEMENT  
SYSTEMS LAB**

**Laboratory Record Notebook**

## **CS23332DATABASEMANAGEMENTSYSTEMS**

<b>NaME</b>	VETRISELVI M
<b>RollNo</b>	230701379
<b>DEPT</b>	CSE
<b>SEC</b>	F

<b>Ex.No.: 1</b>		<b>CREATION OF BASE TABLE AND DM OPERATIONS</b>
<b>Date:</b>	31/7/24	

1. Create MY\_EMPLOYEE table with the following structure

NAME	NULL?	TYPE
ID	Notnull	Number(4)
Last_name		Varchar(25)
First_name		Varchar(25)
Userid		Varchar(25)
Salary		Number(9,2)

CREATE TABLE MY\_EMPLOYEE (ID NUMBER(4) NOT NULL,  
Last\_name VARCHAR2(25), First\_name VARCHAR2(25), Userid VARCHAR2(25), Salary NUMBER(9,2));

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MY_EMPLOYEE	ID	NUMBER	-	4	0	-	-	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	FIRST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	USERID	VARCHAR2	25	-	-	-	✓	-	-
	SALARY	NUMBER	-	9	2	-	✓	-	-

2. Add the first and second rows of 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

Begin

```
INSERT INTO MY_EMPLOYEE VALUES (1, 'Patel', 'Ralph', 'rpatel',  
895);INSERT INTO MY_EMPLOYEE VALUES (2, 'Dancs', 'Betty', 'bdancs', 860);  
End;
```

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 sampled data. Concatenate the first letter of the first\_name with the first seven characters of the last\_name to produce Userid.

Begin

```
INSERT INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (3, 'Biri', 'Ben', SUBSTR('Biri', 1, 1) || SUBSTR('Biri', 1, 7), 1100);
INSERT INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (4, 'Newman', 'Chad', SUBSTR('Newman', 1, 1) || SUBSTR('Newman', 1, 7), 750);
End;
```

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	NNewman	750

5. Delete Betty dancs from MY\_EMPLOYEE table.

```
DELETE FROM MY_EMPLOYEE WHERE Last_name = 'Dancs';
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
3	Biri	Ben	BBiri	1100
4	Newman	Chad	NNewman	750

6. 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	BBiri	1100

7. Make the data additions permanent.

COMMIT;

Statement processed.

0.01 seconds

8. Change the last name of employee 3 to Drexler.

UPDATE MY\_EMPLOYEES SET Last\_name='Drexler' WHERE ID=3;

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
3	Drexler	Ben	BBiri	1100

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

UPDATE MY\_EMPLOYEES SET Salary=1000 WHERE Salary<900;

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1000
3	Drexler	Ben	BBiri	1100