

**GANESHAN.M**

**230701514**

**RAJALAKSHMI ENGINEERING  
COLLEGE RAJALAKSHMI NAGAR, THANDALAM –  
602 105**



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

**CS23332 - DATABASE MANAGEMENT  
SYSTEM**

**Laboratory Record Notebook**

**Name : GANESHAN M**

**Register No : 230701514**

**Branch : B.E COMPUTER SCIENCE  
AND ENGINEERING**

**Year : II**

**Section : A**

**Semester : III**

**Academic Year: 2024-25**

**GANESHAN.M**

**230701514**

**CS23332 DATABASE MANAGEMENT SYSTEMS**

NAME	GANESHAN M
Roll No	230701514
DEPT	CSE
SEC	A

**GANESHAN.M**

**230701514**

<b>Ex.No.: 1</b>		<b>CREATION OF BASE TABLE AND DML OPERATIONS</b>
<b>Date:</b>	<b>31.07.2024</b>	

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) 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	-	✓	-	-

## GANESHAN.M

230701514

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

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

## GANESHAN.M

230701514

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.

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

**GANESHAN.M**

**230701514**

7. Make the data additions permanent.

COMMIT;

SQL>

Statement processed.

0.01 seconds

8. 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	BBiri	1100

9. 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	BBiri	1100