RAJALAKSHMIENGINEERING

COLLEGE RAJALAKSHMI NAGAR, THANDALAM – 602 105

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

CS23332 - DATABASE MANAGEMENT SYSTEM

Laboratory Record Notebook

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Academic Year: 2024-25

CS23332DATABASEMANAGEMENTSYSTEMS

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Ex.No.: 1		**CREATION OF BASE TABLE AND DML OPERATIONS**
Date:	**31.07.2024**	

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	-	✓	-	-

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

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

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

6. Empty the fourth row of the emp table.

```
DELETE FROM MY_EMPLOYEE WHERE ID = 4;
```

7. Make the data additions permanent.

```
COMMIT;
```

```
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