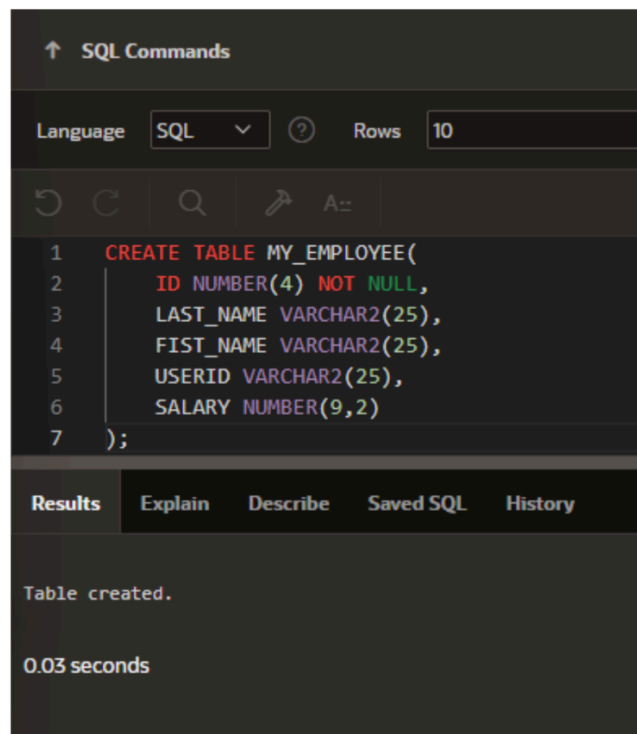


# DBMS EX - 2

Name	Manjusri.N
Roll No	241801151
Department	AI & DS

## EXERCISE : 2 – Creation of Base Table and DML operation

1. Create MY\_EMPLOYEE table with following structure

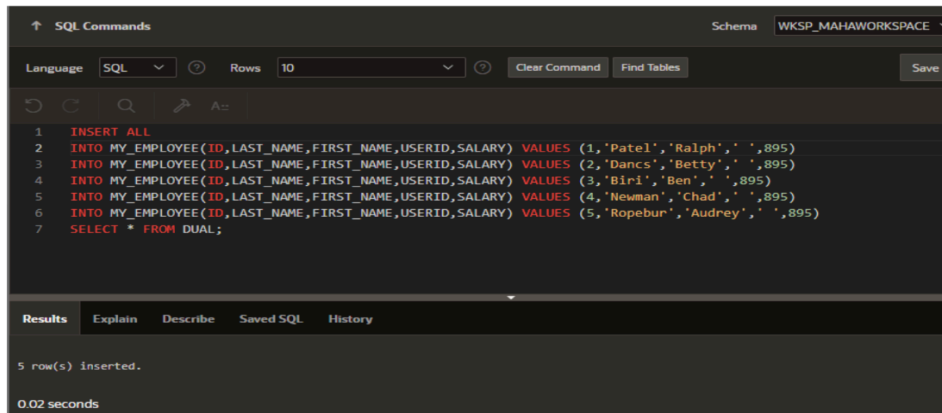


The screenshot displays the SQL Developer interface. At the top, the 'SQL Commands' tab is active. Below it, the 'Language' is set to 'SQL' and 'Rows' is set to '10'. The main editor area contains the following SQL command:

```
1 CREATE TABLE MY_EMPLOYEE(  
2     ID NUMBER(4) NOT NULL,  
3     LAST_NAME VARCHAR2(25),  
4     FIRST_NAME VARCHAR2(25),  
5     USERID VARCHAR2(25),  
6     SALARY NUMBER(9,2)  
7 );
```

Below the editor, the 'Results' tab is selected, showing the message 'Table created.' and the execution time '0.03 seconds'.

2. Add the first and second rows data to MY\_EMPLOYEE table from the following sample



The screenshot shows an SQL Command window with the following content:

```
SQL Commands
Schema: WKSP_MAHAWORKSPACE

Language: SQL Rows: 10 Clear Command Find Tables Save

1 INSERT ALL
2 INTO MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY) VALUES (1, 'Patel', 'Ralph', ' ', 895)
3 INTO MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY) VALUES (2, 'Dancs', 'Betty', ' ', 895)
4 INTO MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY) VALUES (3, 'Biri', 'Ben', ' ', 895)
5 INTO MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY) VALUES (4, 'Newman', 'Chad', ' ', 895)
6 INTO MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY) VALUES (5, 'Ropebur', 'Audrey', ' ', 895)
7 SELECT * FROM DUAL;
```

Results Explain Describe Saved SQL History

5 row(s) inserted.

0.02 seconds

### 3.Display the table with values

A=

1 SELECT \* FROM MY\_EMPLOYEE

Results

Explain

Describe

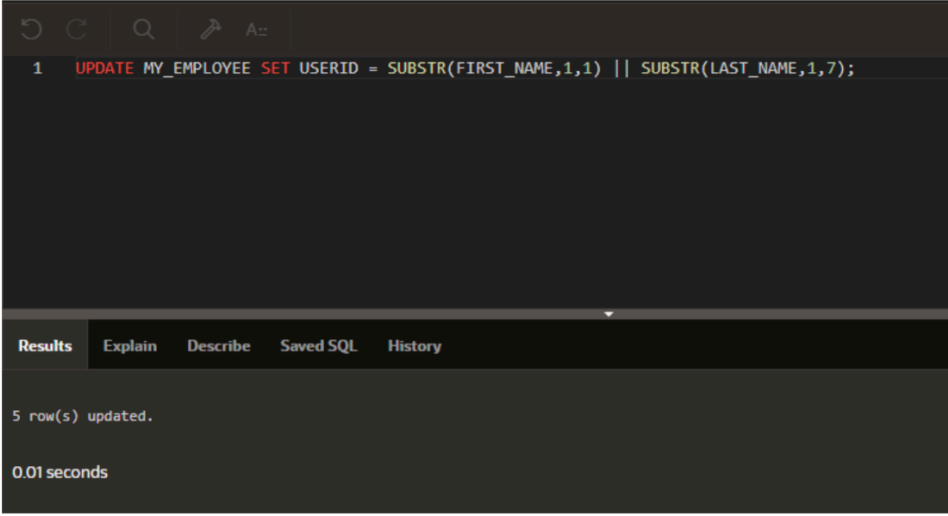
Saved SQL

History

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph		895
2	Dancs	Betty		895
3	Biri	Ben		895
4	Newman	Chad		895
5	Ropebur	Audrey		895

5 rows returned in 0.02 seconds [Download](#)

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:



The screenshot shows a SQL IDE interface with a dark theme. At the top, there is a toolbar with icons for undo, redo, search, and a keyboard shortcut 'A-z'. Below the toolbar, a SQL statement is entered in a text area: `1 UPDATE MY_EMPLOYEE SET USERID = SUBSTR(FIRST_NAME,1,1) || SUBSTR(LAST_NAME,1,7);`. Below the text area, there is a tabbed interface with four tabs: 'Results', 'Explain', 'Describe', and 'Saved SQL'. The 'Results' tab is selected, and it displays the text '5 row(s) updated.' and '0.01 seconds'.

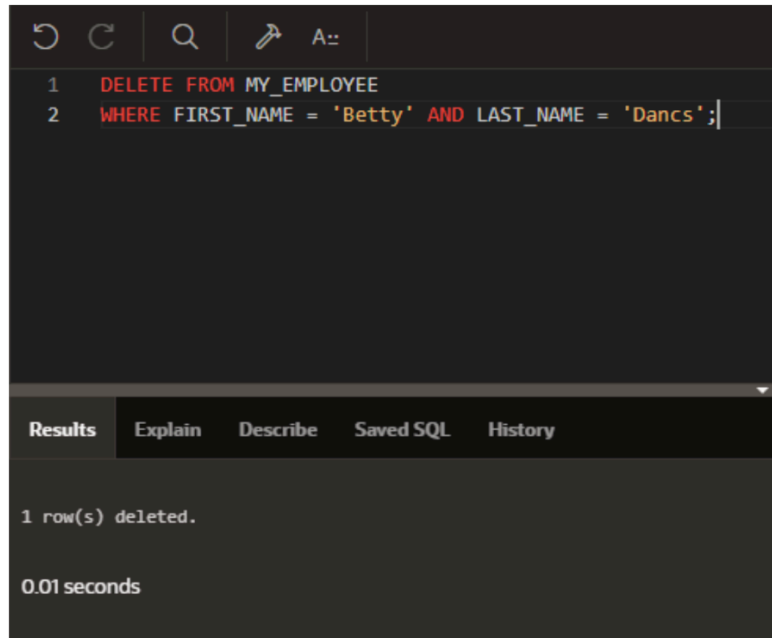
```
1 UPDATE MY_EMPLOYEE SET USERID = SUBSTR(FIRST_NAME,1,1) || SUBSTR(LAST_NAME,1,7);
```

Results Explain Describe Saved SQL History

5 row(s) updated.

0.01 seconds

## 5.DELETE Betty Dancs from MY\_EMPLOYEE Table



The screenshot shows a SQL IDE interface with a dark theme. At the top, there is a toolbar with icons for undo, redo, search, and a keyboard shortcut 'A+='. Below the toolbar, the SQL editor contains two lines of code: '1 DELETE FROM MY\_EMPLOYEE' and '2 WHERE FIRST\_NAME = 'Betty' AND LAST\_NAME = 'Dancs';'. Below the editor, there is a tabbed interface with 'Results' selected. The results pane shows '1 row(s) deleted.' and '0.01 seconds'.

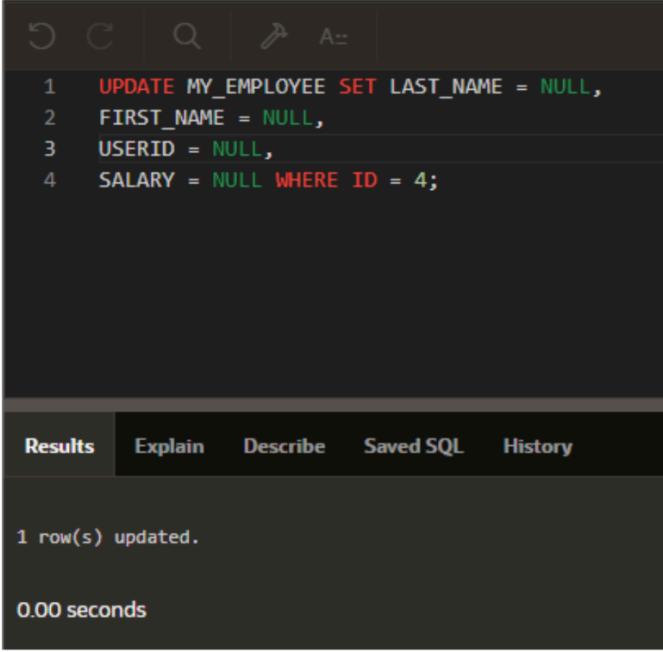
```
1 DELETE FROM MY_EMPLOYEE
2 WHERE FIRST_NAME = 'Betty' AND LAST_NAME = 'Dancs';
```

**Results** Explain Describe Saved SQL History

1 row(s) deleted.

0.01 seconds

6. Empty the fourth row of the EMP table



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with icons for undo, redo, search, and a keyboard shortcut 'A++'. Below the toolbar, a SQL statement is entered in a text area, numbered 1 through 4. The statement is: `UPDATE MY_EMPLOYEE SET LAST_NAME = NULL, FIRST_NAME = NULL, USERID = NULL, SALARY = NULL WHERE ID = 4;`. Below the text area, there is a tabbed interface with five tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is selected. Below the tabs, the results of the query are displayed: '1 row(s) updated.' and '0.00 seconds'.

```
1  UPDATE MY_EMPLOYEE SET LAST_NAME = NULL,  
2  FIRST_NAME = NULL,  
3  USERID = NULL,  
4  SALARY = NULL WHERE ID = 4;
```

**Results** Explain Describe Saved SQL History

1 row(s) updated.

0.00 seconds