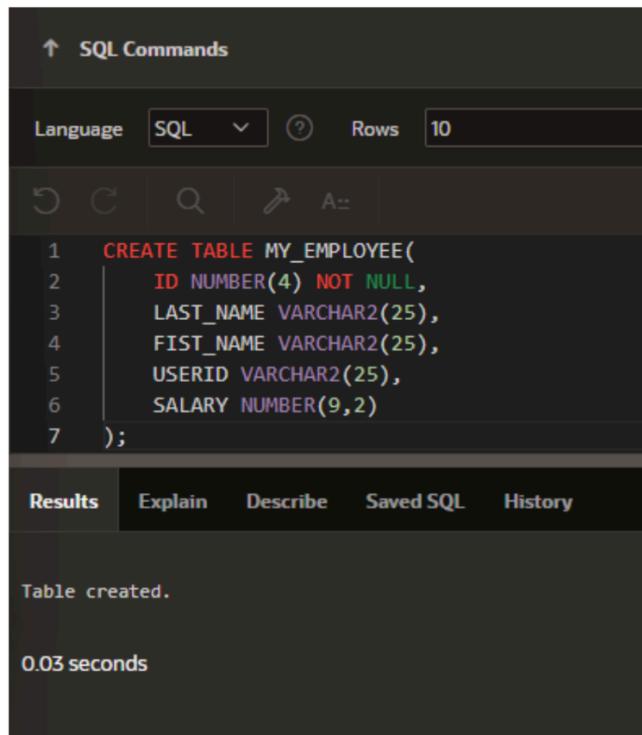


DBMS EX - 2

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EXERCISE : 2 – Creation of Base Table and DML operation

1. Create MY_EMPLOYEE table with following structure



The screenshot shows a SQL command window with the following details:

- SQL Commands**: The title bar.
- Language**: Set to **SQL**.
- Rows**: Set to **10**.
- SQL Editor Content**: The code to create the **MY_EMPLOYEE** table:

```
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 );
```
- Results Tab**: Active tab, showing the output:

```
Table created.
```
- Timing**: 0.03 seconds.

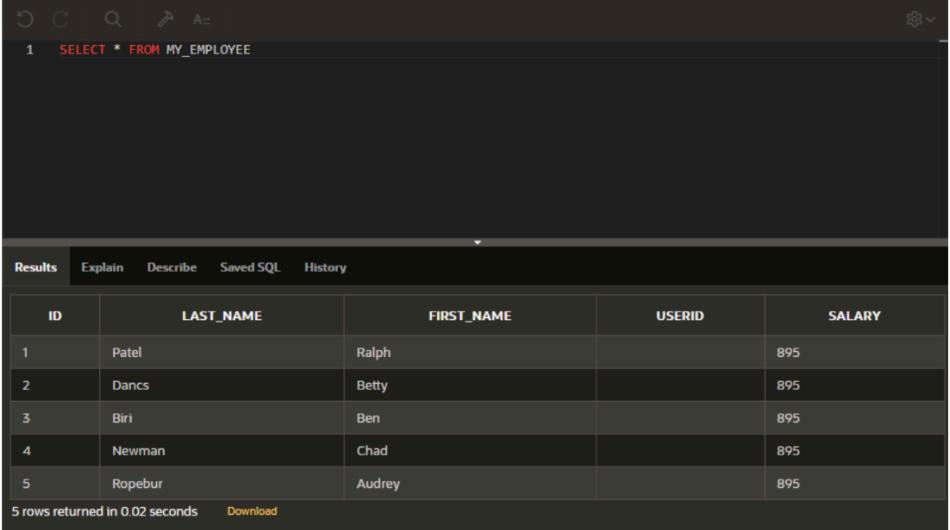
**2.Add the first and second rows data to
MY_EMPLOYEE table from the following sample**

The screenshot shows a SQL command window with the following details:

- Language:** SQL
- Schema:** WKSP_MAHAWORKSPACE
- Rows:** 10
- SQL Command:**

```
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,'Dance','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:** 5 row(s) inserted.
- Time:** 0.02 seconds

3. Display the table with values

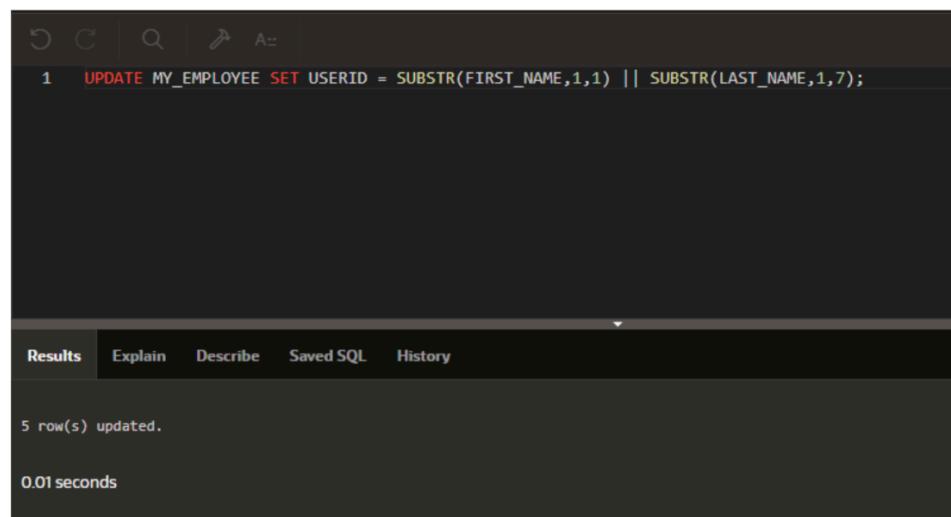


The screenshot shows a SQL query interface with the following details:

- SQL Statement: `SELECT * FROM MY_EMPLOYEE`
- Results Tab: The active tab, showing the query results.
- Table Headers: ID, LAST_NAME, FIRST_NAME, USERID, SALARY
- Data Rows:

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
- Timing: 5 rows returned in 0.02 seconds
- Actions: 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 dark-themed database interface with a toolbar at the top featuring icons for refresh, search, and other functions. Below the toolbar is a SQL editor window containing the following code:

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

Below the SQL editor is a navigation bar with tabs: Results (which is selected), Explain, Describe, Saved SQL, and History. Underneath the navigation bar, the results of the query are displayed:

5 row(s) updated.

0.01 seconds

5.DELETE Betty Dancs from MY_EMPLOYEE Table

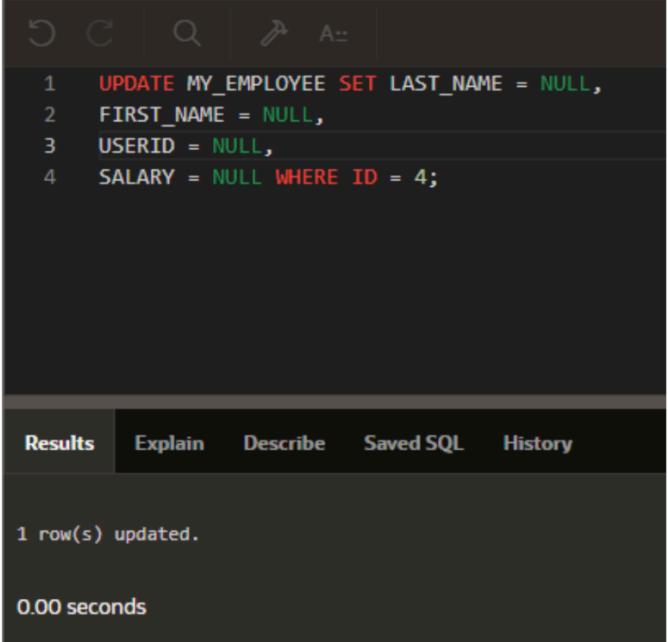
The screenshot shows a SQL query editor interface. At the top, there are several icons: a refresh circle, a copy icon, a search icon, a refresh arrow, and a help icon. Below the toolbar, the SQL code is displayed in two lines:

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

Below the code, there is a navigation bar with tabs: Results (which is selected), Explain, Describe, Saved SQL, and History. Under the Results tab, the output of the query is shown:

1 row(s) deleted.
0.01 seconds

6. Empty the fourth row of the EMP table



The screenshot shows a MySQL command-line interface window. At the top, there are icons for undo, redo, search, and other functions. Below the toolbar, the SQL query is displayed:

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

Below the query, the results tab is selected, showing the output of the query:

```
1 row(s) updated.
```

At the bottom, the execution time is shown:

```
0.00 seconds
```