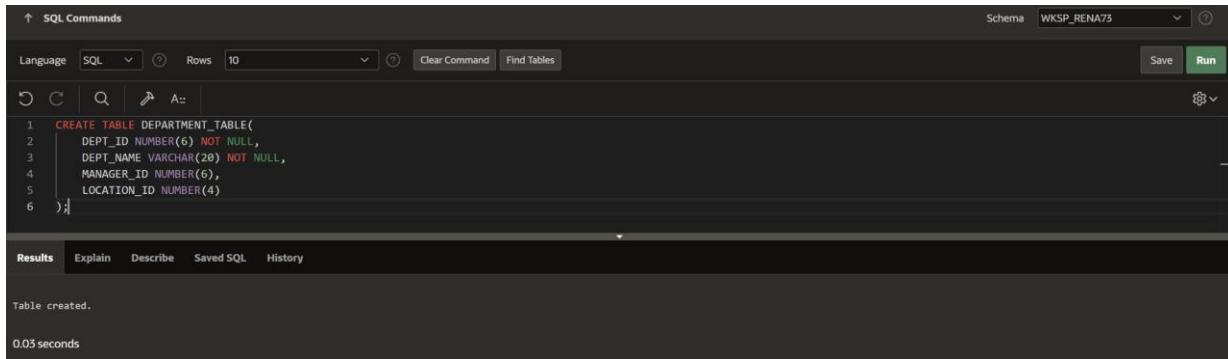


EXERCISE-1

Creating and Managing Tables

NAME	PRATHESHA J
ROLL NO	241001172
DEPARTMENT	IT

1. Create the DEPT table based on the DEPARTMENT following the table instance chart below. Confirm that the table is created.

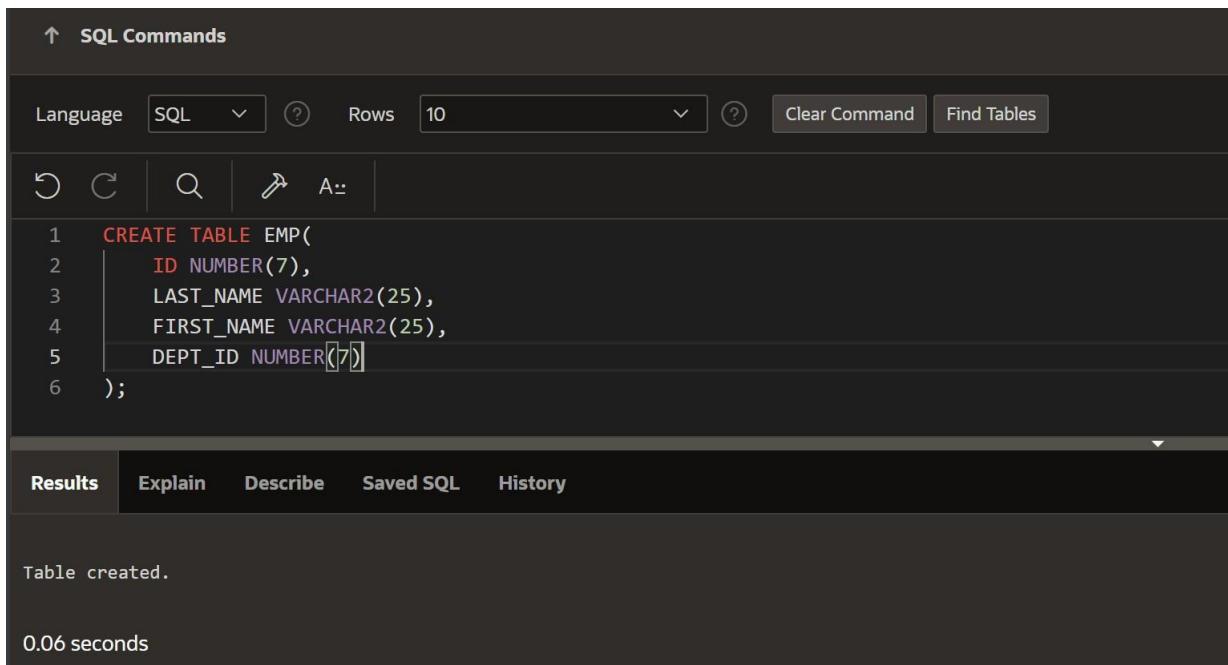


The screenshot shows an SQL Commands interface with the following details:

- Language:** SQL
- Rows:** 10
- Schema:** WKSP_RENA73
- SQL Command:**

```
1 CREATE TABLE DEPARTMENT_TABLE(
2   DEPT_ID NUMBER(6) NOT NULL,
3   DEPT_NAME VARCHAR(28) NOT NULL,
4   MANAGER_ID NUMBER(6),
5   LOCATION_ID NUMBER(4)
6 );
```
- Results:** Table created.
0.05 seconds

2. Create the EMP table based on the following instance chart. Confirm that the table is Created.

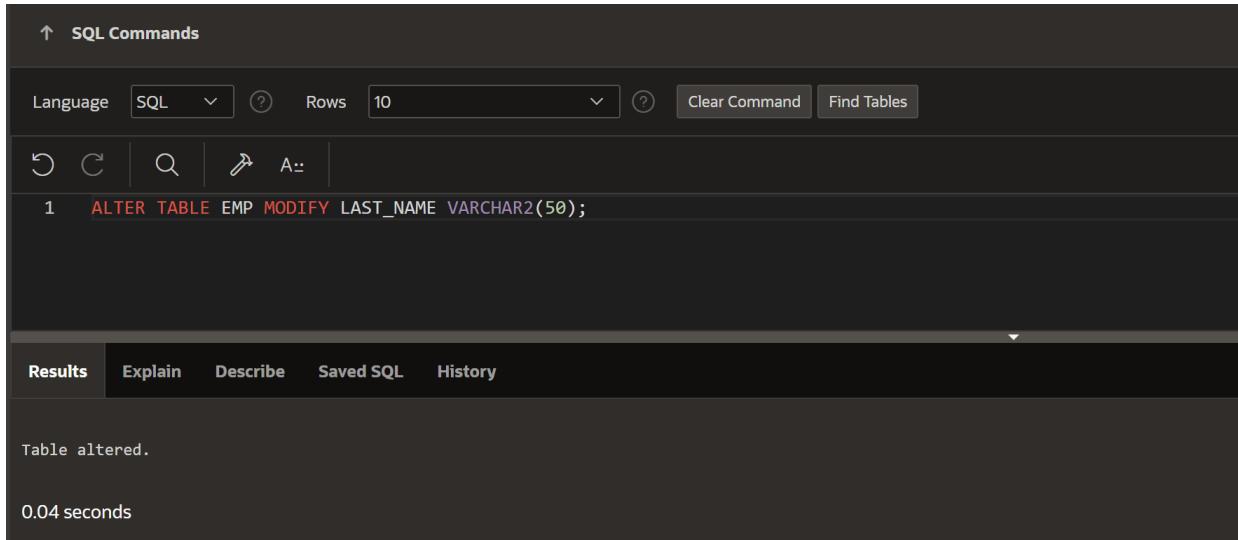


The screenshot shows an SQL Commands interface with the following details:

- Language:** SQL
- Rows:** 10
- Schema:** WKSP_RENA73
- SQL Command:**

```
1 CREATE TABLE EMP(
2   ID NUMBER(7),
3   LAST_NAME VARCHAR2(25),
4   FIRST_NAME VARCHAR2(25),
5   DEPT_ID NUMBER(7)
6 );
```
- Results:** Table created.
0.06 seconds

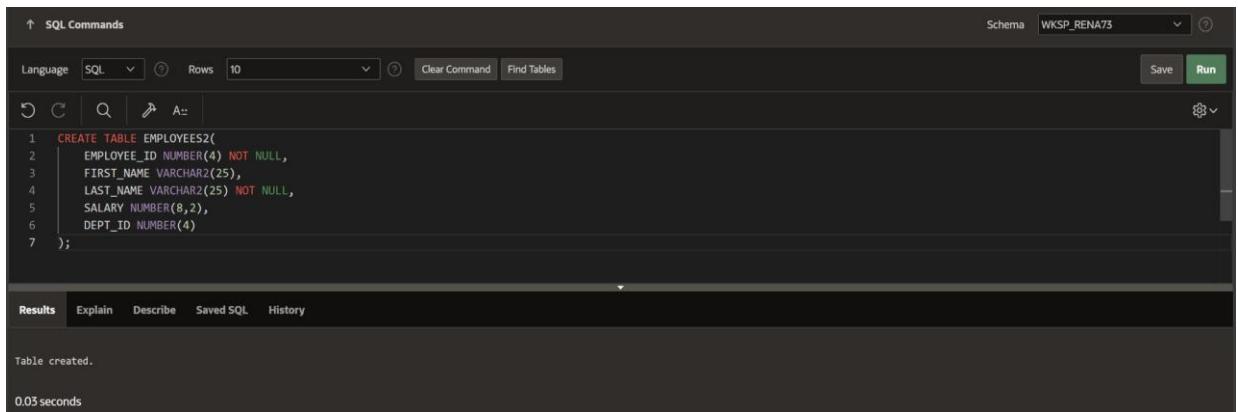
3. Modify the EMP table to allow for longer employee last names. Confirm the modification.(Hint: Increase the size to 50)



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

- SQL Commands** tab is selected.
- Language: SQL
- Rows: 10
- Buttons: Clear Command, Find Tables, Save, Run
- Toolbar icons: Undo, Redo, Search, Insert, Sort, Filter.
- SQL Command:
1 `ALTER TABLE EMP MODIFY LAST_NAME VARCHAR2(50);`
- Results tab is selected.
- Output:
 - Table altered.
 - 0.04 seconds

4. Create the EMPLOYEES2 table based on the structure of EMPLOYEES table. Include Only the Employee_id, First_name, Last_name, Salary and Dept_id columns. Name the columns Id, First_name, Last_name, salary and Dept_id respectively.



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

- SQL Commands** tab is selected.
- Schema: WKSP_RENA73
- Language: SQL
- Rows: 10
- Buttons: Save, Run
- Toolbar icons: Undo, Redo, Search, Insert, Sort, Filter.
- SQL Command:
1 `CREATE TABLE EMPLOYEES2(
2 EMPLOYEE_ID NUMBER(4) NOT NULL,
3 FIRST_NAME VARCHAR2(25),
4 LAST_NAME VARCHAR2(25) NOT NULL,
5 SALARY NUMBER(8,2),
6 DEPT_ID NUMBER(4)
7);`
- Results tab is selected.
- Output:
 - Table created.
 - 0.05 seconds

5. Drop the EMP table.

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

- SQL Commands** header with a back arrow.
- Language dropdown set to **SQL**.
- Rows dropdown set to **10**.
- Clear Command and Find Tables buttons.
- Toolbar icons: Refresh, Undo, Redo, Search, and others.
- SQL query area:

```
1  DROP TABLE EMP;
```
- Results tab selected, showing the output:

Table dropped.
0.06 seconds

6. Rename the EMPLOYEES2 table as EMP.

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

- SQL Commands** header with a back arrow.
- Language dropdown set to **SQL**.
- Rows dropdown set to **10**.
- Clear Command and Find Tables buttons.
- Toolbar icons: Refresh, Undo, Redo, Search, and others.
- SQL query area:

```
1  RENAME EMPLOYEES2 TO EMP;
```
- Results tab selected, showing the output:

Statement processed.
0.05 seconds

7. Add a comment on DEPT and EMP tables. Confirm the modification by describing the table.

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

- SQL Commands** tab is active.
- Language**: SQL
- Rows**: 10
- Command**:
1 COMMENT ON TABLE DEPT IS 'DEPARTMENT';
- Results** tab is active.
- Output**: Statement processed.
- Time**: 0.01 seconds

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

- SQL Commands** tab is active.
- Language**: SQL
- Rows**: 10
- Command**:
1 COMMENT ON TABLE EMP IS 'EMPLOYEE_TABLE';
- Results** tab is active.
- Output**: Statement processed.
- Time**: 0.01 seconds

8. Drop the First_name column from the EMP table and confirm it.

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

- SQL Commands** tab is active.
- Language**: SQL
- Rows**: 10
- Command**:
1 ALTER TABLE EMP DROP COLUMN FIRST_NAME;
- Results** tab is active.
- Output**: Statement processed.
- Time**: 0.01 seconds