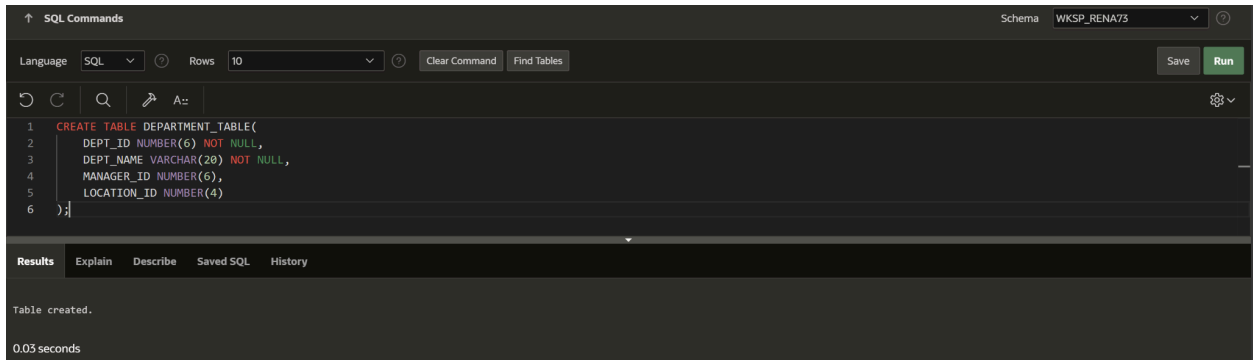


## **EXERCISE-1**

### **Creating and Managing Tables**

<b>NAME</b>	<b>RENA J</b>
<b>ROLL NO</b>	<b>241801227</b>
<b>DEPARTMENT</b>	<b>AI&amp;DS</b>

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

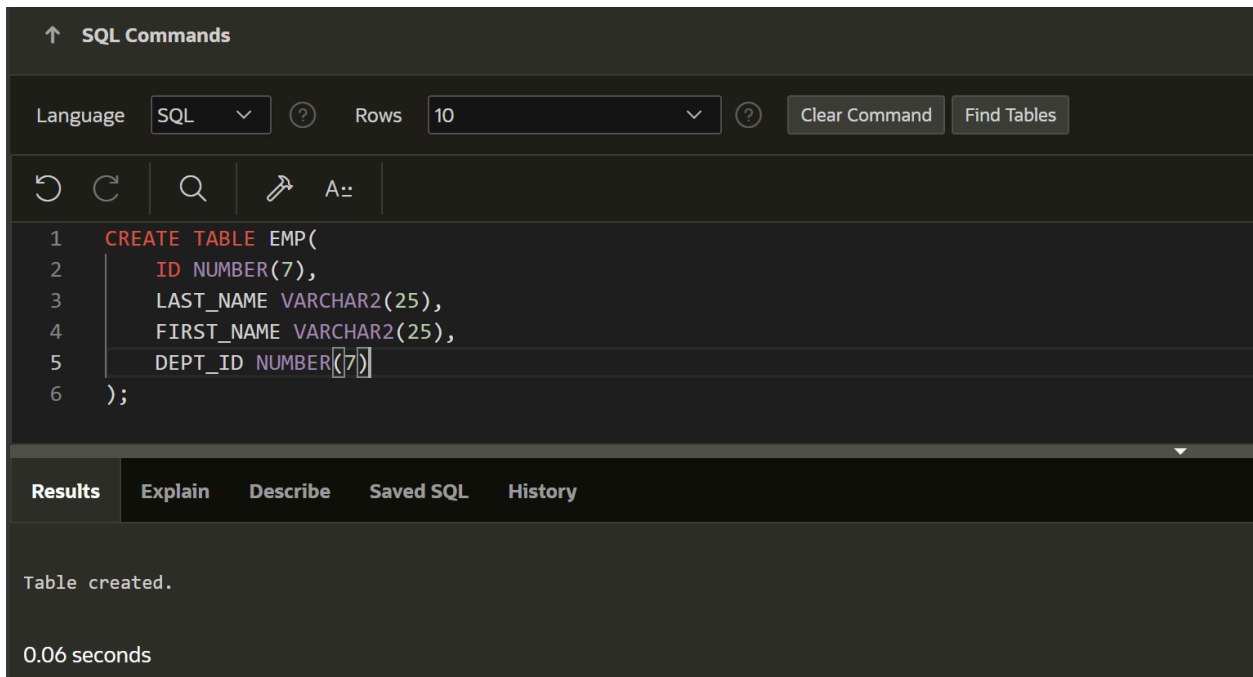


The screenshot shows the SQL Developer interface with the 'SQL Commands' window. The 'Schema' dropdown is set to 'WKSP\_RENA73'. The 'Language' is 'SQL' and 'Rows' is set to 10. The SQL command entered is:

```
1 CREATE TABLE DEPARTMENT_TABLE(  
2     DEPT_ID NUMBER(6) NOT NULL,  
3     DEPT_NAME VARCHAR(20) NOT NULL,  
4     MANAGER_ID NUMBER(6),  
5     LOCATION_ID NUMBER(4)  
6 );
```

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

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

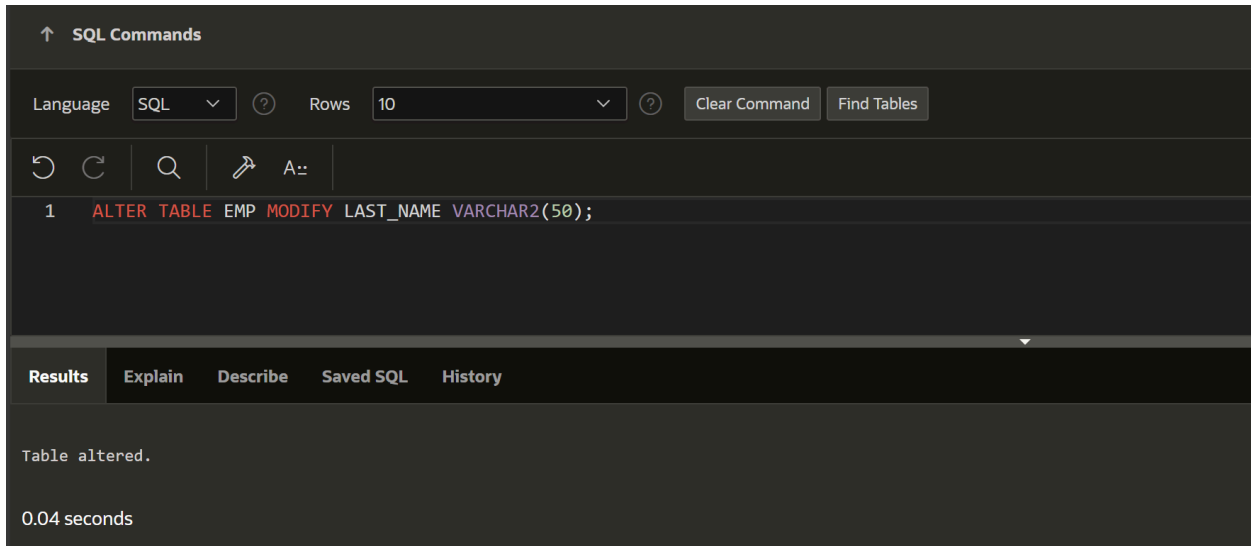


The screenshot shows the SQL Developer interface with the 'SQL Commands' window. The 'Language' is 'SQL' and 'Rows' is set to 10. The SQL command entered is:

```
1 CREATE TABLE EMP(  
2     ID NUMBER(7),  
3     LAST_NAME VARCHAR2(25),  
4     FIRST_NAME VARCHAR2(25),  
5     DEPT_ID NUMBER(7)  
6 );
```

The 'Results' tab is selected, showing the message 'Table created.' and the execution time '0.06 seconds'.

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



SQL Commands

Language: SQL ? Rows: 10 ? Clear Command Find Tables

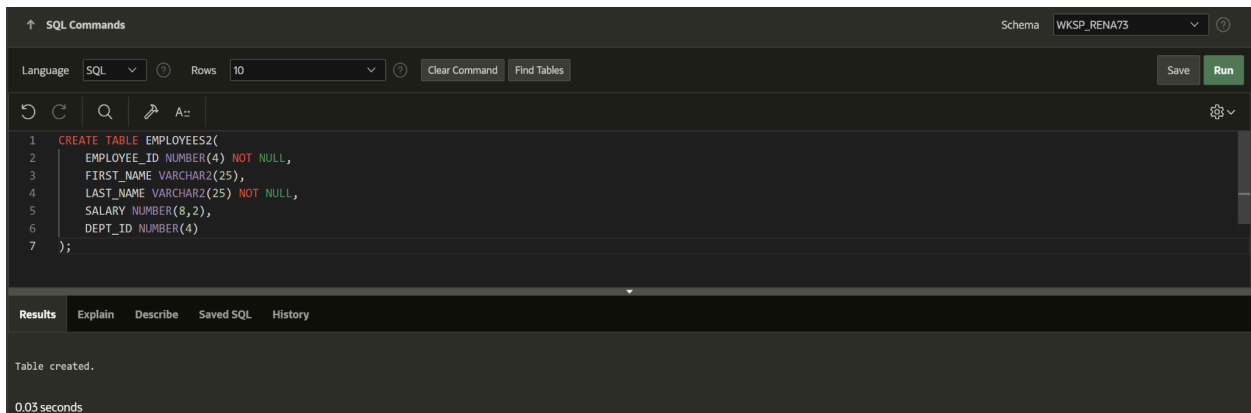
1 ALTER TABLE EMP MODIFY LAST\_NAME VARCHAR2(50);

Results Explain Describe Saved SQL History

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.



SQL Commands Schema: WKSP\_RENA73 ?

Language: SQL ? Rows: 10 ? Clear Command Find Tables Save Run

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 Explain Describe Saved SQL History

Table created.

0.03 seconds

5. Drop the EMP table.

The screenshot shows a SQL interface with a dark theme. At the top, there's a header 'SQL Commands' with an upward arrow. Below it, a control bar includes 'Language' set to 'SQL', 'Rows' set to '10', and buttons for 'Clear Command' and 'Find Tables'. A toolbar with icons for undo, redo, search, and other functions is visible. The main command area contains the text '1 DROP TABLE EMP;'. Below this, a tabbed interface shows 'Results' as the active tab. The results pane displays 'Table dropped.' and '0.06 seconds'.

```
1 DROP TABLE EMP;
```

Results Explain Describe Saved SQL History

Table dropped.

0.06 seconds

6. Rename the EMPLOYEES2 table as EMP.

The screenshot shows the same SQL interface as above. The main command area now contains the text '1 RENAME EMPLOYEES2 TO EMP;'. The 'Results' tab is active, showing 'Statement processed.' and '0.05 seconds'.

```
1 RENAME EMPLOYEES2 TO EMP;
```

Results Explain Describe Saved SQL History

Statement processed.

0.05 seconds

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

The screenshot shows the SQL Commands interface. At the top, there's a header "SQL Commands" with an upward arrow. Below it, there's a toolbar with "Language" set to "SQL", "Rows" set to "10", and buttons for "Clear Command" and "Find Tables". A command bar contains icons for undo, redo, search, and a text input field with "A:". The command area shows a single line of SQL: `1 COMMENT ON TABLE DEPT IS 'DEPARTMENT';`. Below the command area, there's a tabbed interface with "Results" selected. The results section shows "Statement processed." and "0.01 seconds".

The screenshot shows the SQL Commands interface. At the top, there's a header "SQL Commands" with an upward arrow. Below it, there's a toolbar with "Language" set to "SQL", "Rows" set to "10", and buttons for "Clear Command" and "Find Tables". A command bar contains icons for undo, redo, search, and a text input field with "A:". The command area shows a single line of SQL: `1 COMMENT ON TABLE EMP IS 'EMPLOYEE_TABLE';`. Below the command area, there's a tabbed interface with "Results" selected. The results section shows "Statement processed." and "0.01 seconds".

8. Drop the First\_name column from the EMP table and confirm it.

The screenshot shows the SQL Commands interface. At the top, there's a header "SQL Commands" with an upward arrow. Below it, there's a toolbar with "Language" set to "SQL", "Rows" set to "10", and buttons for "Clear Command" and "Find Tables". A command bar contains icons for undo, redo, search, and a text input field with "A:". The command area shows a single line of SQL: `1 ALTER TABLE EMP DROP COLUMN FIRST_NAME;`. Below the command area, there's a tabbed interface with "Results" selected. The results section shows "Statement processed." and "0.01 seconds".