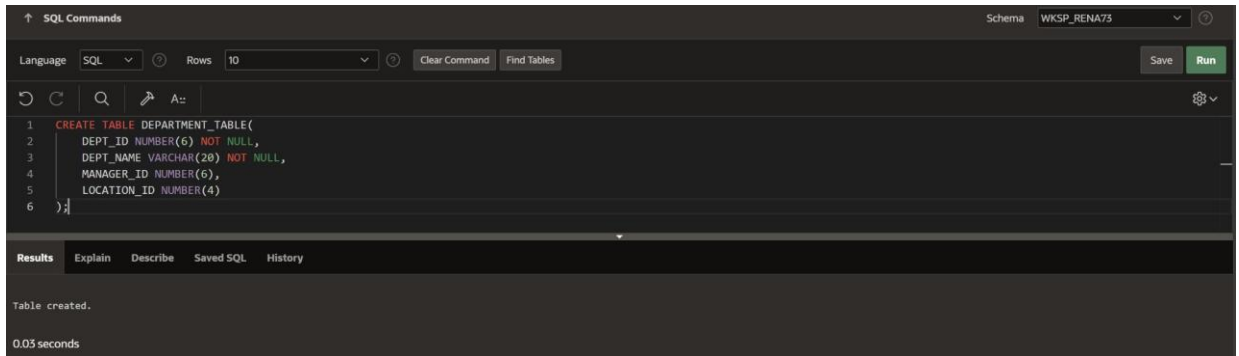


EXERCISE-1

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.

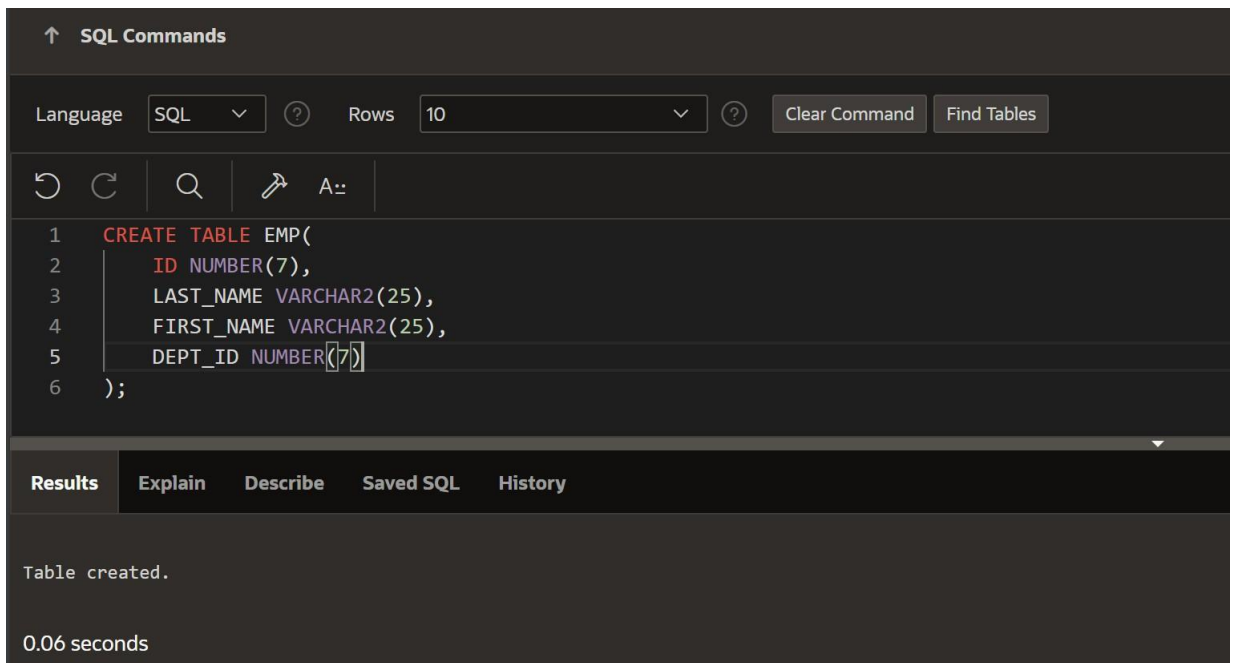


The screenshot shows a SQL interface with the following details:

- Schema:** WKSP_RENA73
- Language:** SQL
- Rows:** 10
- Buttons:** Clear Command, Find Tables, Save, Run
- SQL Command:**

```
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 );
```
- Results Tab:** Shows "Table created." and "0.03 seconds".

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

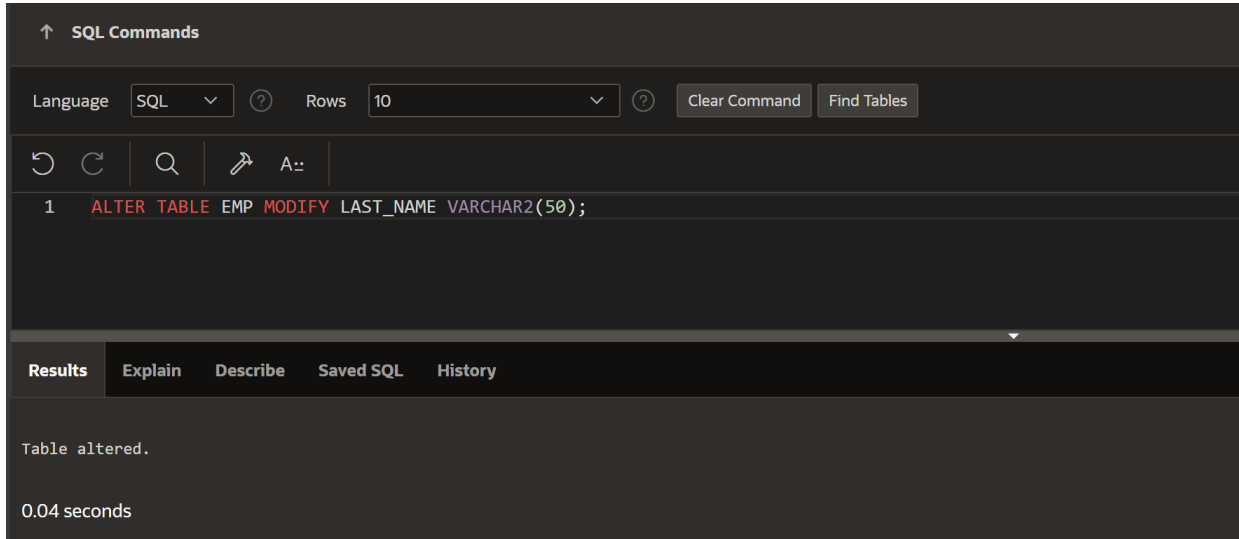


The screenshot shows a SQL interface with the following details:

- Schema:** WKSP_RENA73
- Language:** SQL
- Rows:** 10
- Buttons:** Clear Command, Find Tables, Save, Run
- 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 Tab:** Shows "Table created." and "0.06 seconds".

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



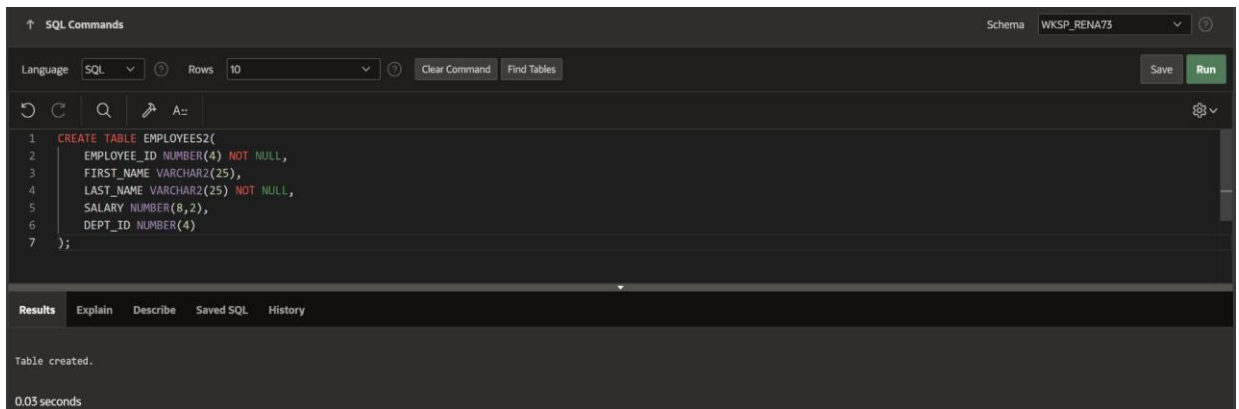
The screenshot shows the SQL Commands interface. At the top, there's a header "SQL Commands" with an upward arrow. Below it, a toolbar includes "Language" set to "SQL", "Rows" set to "10", and buttons for "Clear Command" and "Find Tables". A command bar contains icons for undo, redo, search, and a text input field with "A:". The main area displays a single SQL command: `1 ALTER TABLE EMP MODIFY LAST_NAME VARCHAR2(50);`. Below the command, there are tabs for "Results", "Explain", "Describe", "Saved SQL", and "History". The "Results" tab is active, showing the message "Table altered." and the execution time "0.04 seconds".

```
1 ALTER TABLE EMP MODIFY LAST_NAME VARCHAR2(50);
```

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 the SQL Commands interface. At the top, there's a header "SQL Commands" with an upward arrow. Below it, a toolbar includes "Language" set to "SQL", "Rows" set to "10", and buttons for "Clear Command", "Find Tables", "Save", and "Run". A command bar contains icons for undo, redo, search, and a text input field with "A:". The main area displays a single 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);`. Below the command, there are tabs for "Results", "Explain", "Describe", "Saved SQL", and "History". The "Results" tab is active, showing the message "Table created." and the execution time "0.03 seconds".

```
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 );
```

Table created.

0.03 seconds

5. Drop the EMP table.

The screenshot shows a web-based SQL interface. 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 a single line: "1 DROP TABLE EMP;". Below the command area, a tabbed interface shows "Results" as the active tab. The results section displays the message "Table dropped." and the execution time "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 command area now contains: "1 RENAME EMPLOYEES2 TO EMP;". The "Results" tab is active, showing the message "Statement processed." and the execution time "0.05 seconds".

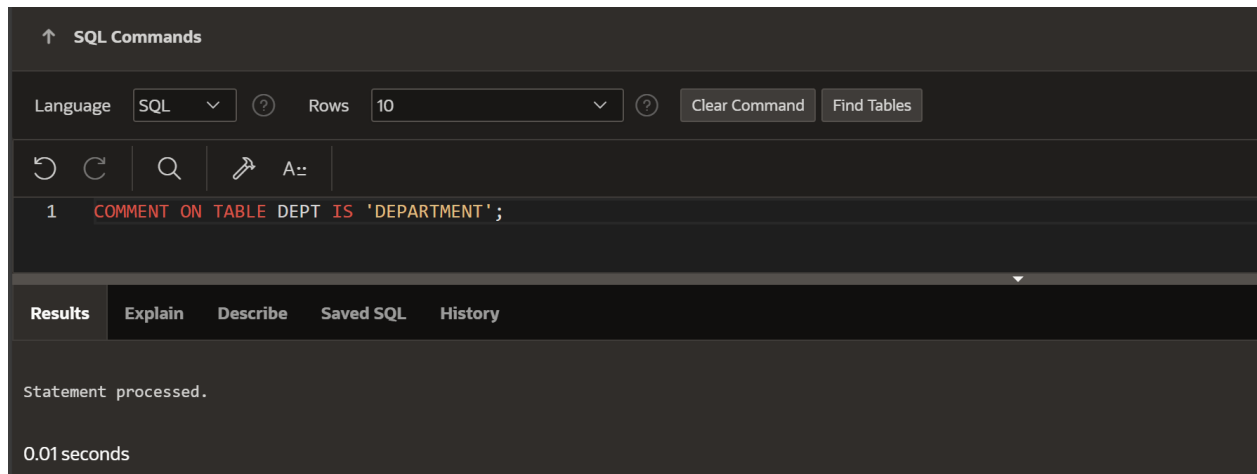
```
1 RENAME EMPLOYEES2 TO EMP;
```

Results Explain Describe Saved SQL History

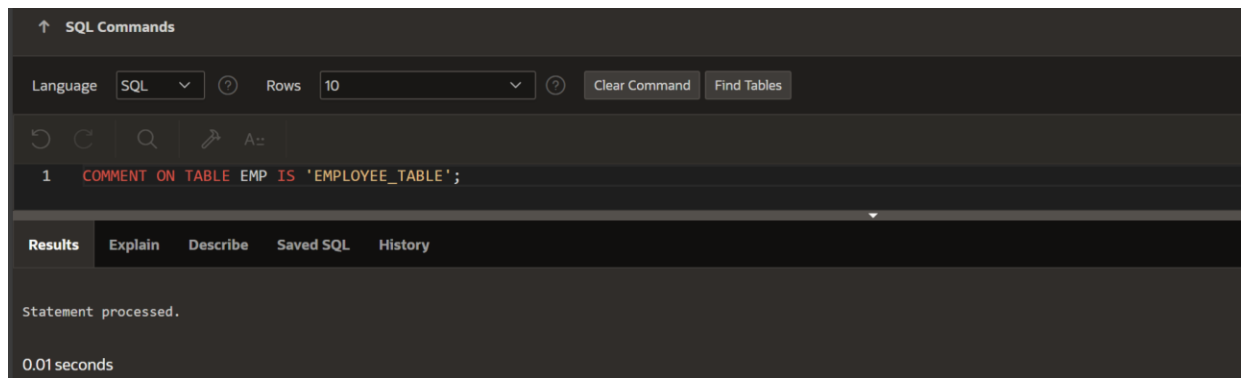
Statement processed.

0.05 seconds

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

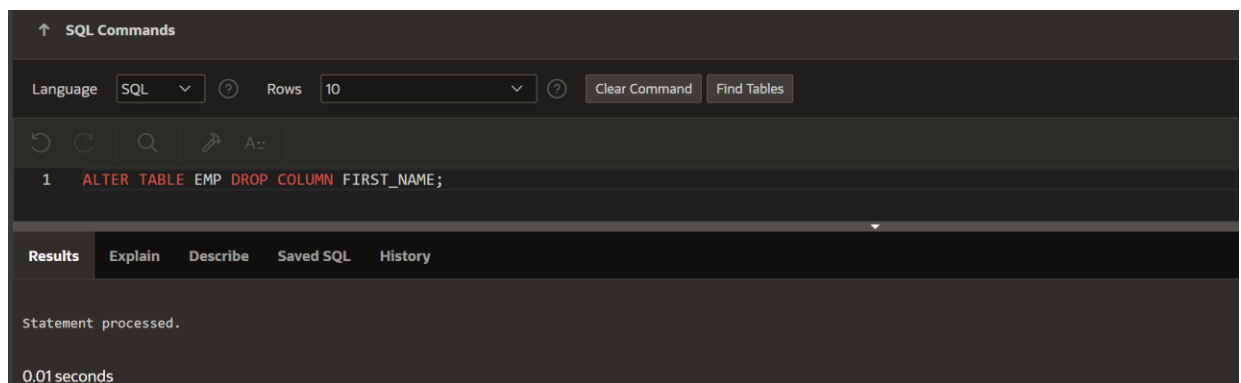


The screenshot shows the SQL Commands interface. At the top, there's a header "SQL Commands" with an upward arrow. Below it, there's a toolbar with "Language" set to "SQL", "Rows" set to "10", and buttons for "Clear Command" and "Find Tables". A command bar contains icons for undo, redo, search, and 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 area 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 area 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 area shows "Statement processed." and "0.01 seconds".