

Exercise No 1

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Dept	AI & DS

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

↑ SQL Commands

Language SQL ? Rows 10 ? Clear Command Find Tables

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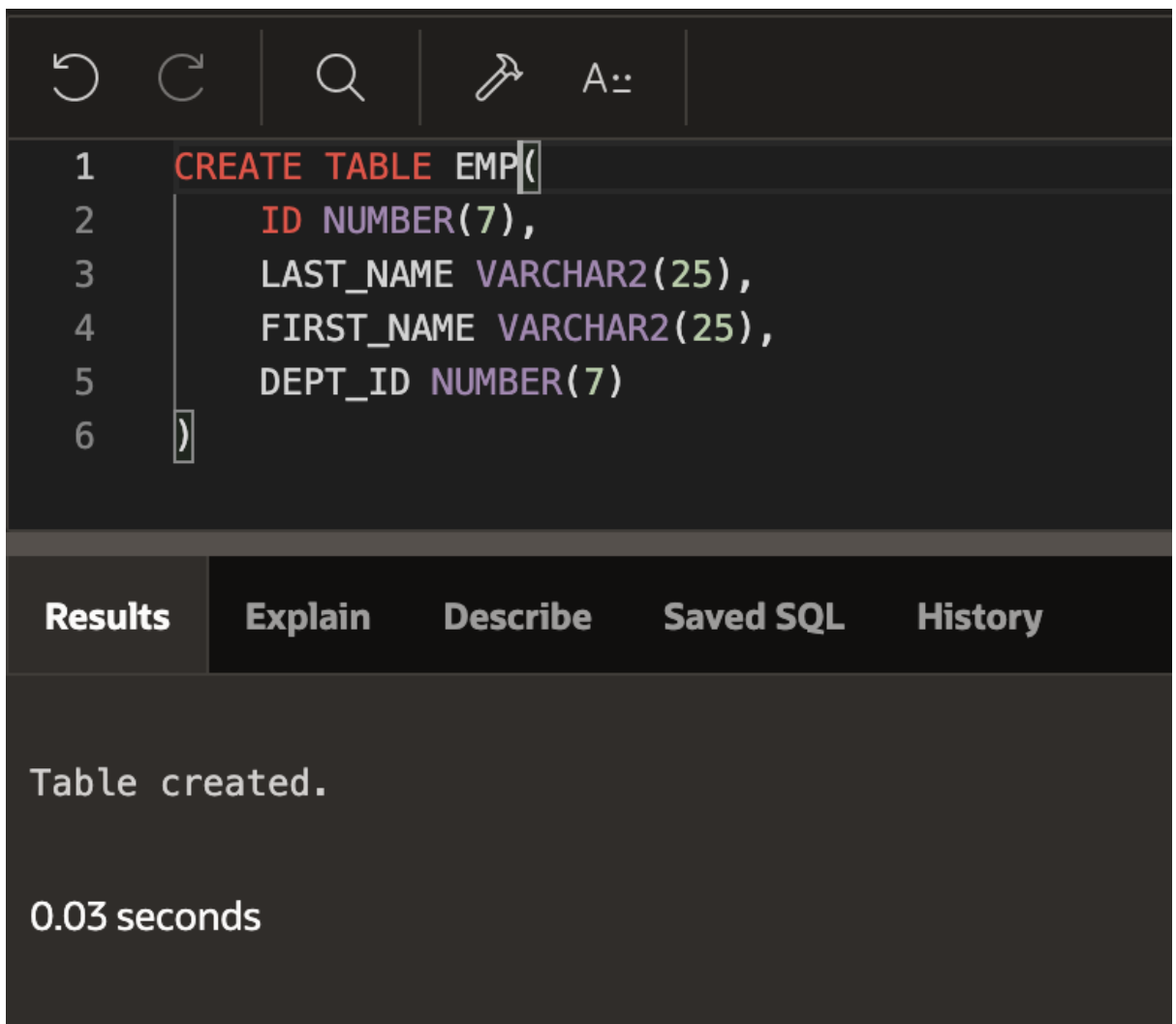
1 CREATE TABLE DEPARTMENT_TABLE(
2 DEPT_ID NUMBER(6) NOT NULL,
3 DEPT_NAME VARCHAR(20) NOT NULL,
4 MANAGER_ID NUMBER(6),
5 LOCATION_ID NUMBER(4)
6);

Results Explain Describe Saved SQL History

Table created.

0.04 seconds

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



The screenshot shows a SQL IDE interface. At the top is a toolbar with icons for undo, redo, search, and execute. Below the toolbar is a text editor with a SQL statement. The statement is: `CREATE TABLE EMP(
ID NUMBER(7),
LAST_NAME VARCHAR2(25),
FIRST_NAME VARCHAR2(25),
DEPT_ID NUMBER(7)
);`. The text is color-coded: `CREATE` is red, `TABLE` is red, `EMP` is red, `ID` is red, `NUMBER` is purple, `LAST_NAME` is purple, `VARCHAR2` is green, `FIRST_NAME` is purple, and `DEPT_ID` is purple. Below the text editor is a tabbed interface with five tabs: **Results**, **Explain**, **Describe**, **Saved SQL**, and **History**. The **Results** tab is selected, and it displays the text "Table created." and "0.03 seconds".






```
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	Explain	Describe	Saved SQL	History
Table created.				
0.03 seconds				

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

Language SQL ?

Rows 10 ?



1 **ALTER TABLE EMP MODIFY** (LAST_NAME VARCHAR2(50))

Results

Explain

Describe

Saved SQL

History

Table altered.

0.05 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 coloumns. Name the columns Id, First_name, Last_name, salary and Dept_id respectively.

Language SQL ? Rows 10 ?

A::

```
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.

0.04 seconds

5. Drop the EMP table.

Language



SQL


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Rows

10

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1 drop table emp

Results

Explain

Describe

Saved SQL

History

Table dropped.

0.08 seconds

6. Rename the EMPLOYEES2 table as EMP.

```
1  rename employees2 to emp
```

Results	Explain	Describe	Saved SQL	History
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Statement processed.

0.06 seconds

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

1

comment on table dept is 'Department'

Results

Explain

Describe

Saved SQL

History

Statement processed.

0.01 seconds

1

comment on table emp is 'Employee Table'

Results

Explain

Describe

Saved SQL

History

Statement processed.

0.01 seconds

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

Language





SQL

?

Rows

10

?



A::

1 alter table emp drop column first_name

Results

Explain

Describe

Saved SQL

History

Table altered.

0.19 seconds