

EXERCISE 1

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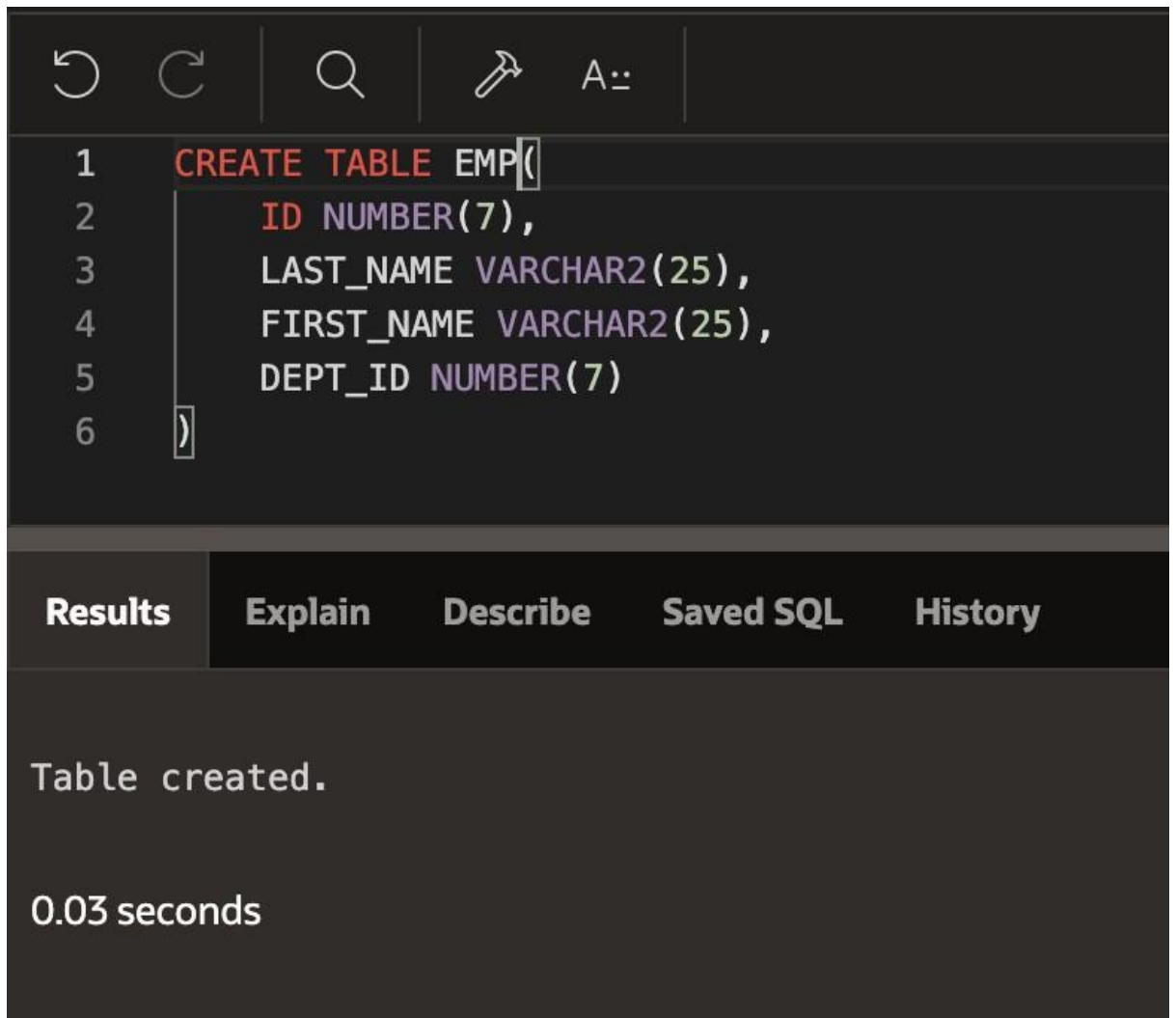
1 CREATE TABLE DEPARTMENT_TABLE(
2 DEPT_ID NUMBER(6) NOT NULL,
3 DEPT_NAME VARCHAR(20) NOT NULL,
4 MANAGER_ID NUMBER(6),
5 LOCATION_ID NUMBER(4)
6);

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, there is a toolbar with icons for undo, redo, search, and a schema icon, along with a text input field containing 'A::'. Below the toolbar, a SQL statement is entered in a text area, with line numbers 1 through 6 on the left. The statement is: `CREATE TABLE EMP(
ID NUMBER(7),
LAST_NAME VARCHAR2(25),
FIRST_NAME VARCHAR2(25),
DEPT_ID NUMBER(7)
)`. Below the text area, there is a tabbed interface with five tabs: 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is selected and shows 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

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

LanguageSQLRows10

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CREATE TABLE EMPLOYEES2(

employee_id NUMBER(4) NOT NULL,

first_name VARCHAR2(25),

last_name VARCHAR2(25) NOT NULL,

salary NUMBER(8,2),

dept_id NUMBER(4)

);

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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A::

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
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Statement processed.

0.01 seconds

```
1  comment on table emp is 'Employee Table'
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

Statement processed.

0.01 seconds

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

