

Exercise 2- Creating and managing tables

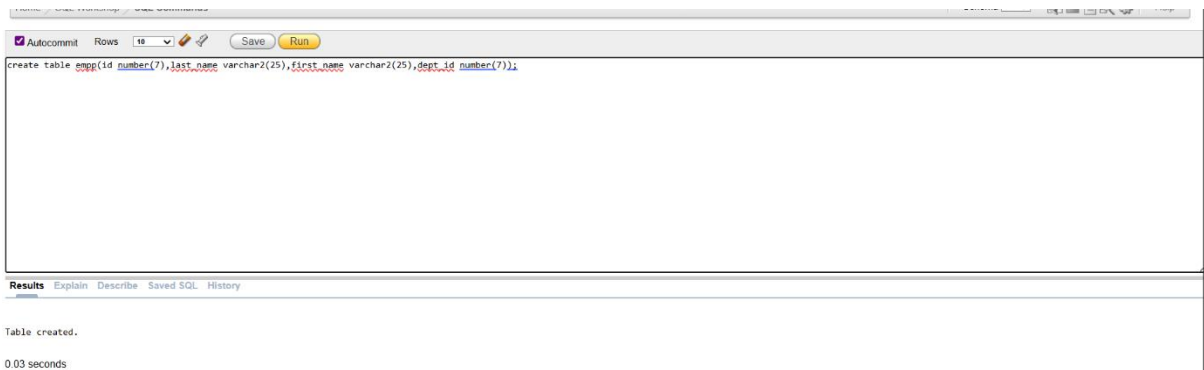
1. Create the dept table based on the department following the table instance chart. Confirm that the table is created.



The screenshot shows the SQL Workshop interface with the following details:

- Top bar: Home > SQL Workshop > SQL Commands
- Toolbar: Autocommit (checked), Rows (10), Save, Run
- SQL Editor: `create table dept(id number(7),name varchar2(25));`
- Results Panel: Results, Explain, Describe, Saved SQL, History
- Output: Table created.
0.12 seconds

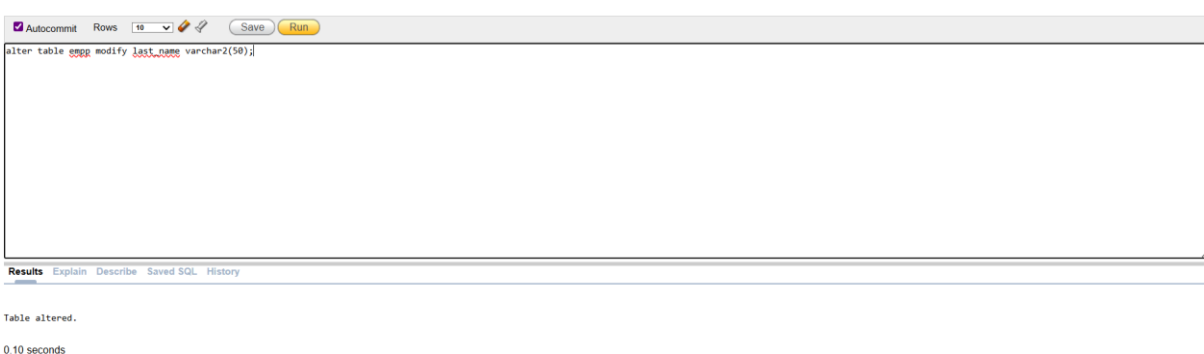
2. Create the emp table based on the following instance chart. Confirm that the table is created.



The screenshot shows the SQL Workshop interface with the following details:

- Top bar: Home > SQL Workshop > SQL Commands
- Toolbar: Autocommit (checked), Rows (10), Save, Run
- SQL Editor: `create table emp(id number(7),last_name varchar2(25),first_name varchar2(25),dept_id number(7));`
- Results Panel: Results, Explain, Describe, Saved SQL, History
- Output: Table created.
0.03 seconds

3. Modify the emp table to allow for longer employee last names. Confirm the modification.



The screenshot shows the SQL Workshop interface with the following details:

- Top bar: Home > SQL Workshop > SQL Commands
- Toolbar: Autocommit (checked), Rows (10), Save, Run
- SQL Editor: `alter table emp modify last_name varchar2(50);`
- Results Panel: Results, Explain, Describe, Saved SQL, History
- Output: Table altered.
0.10 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 respectively.

```
Autocommit Rows 10 Save Run
Create table emp2(id number(7),first_name varchar2(25),last_name varchar2(25),salary number(8,2),dept_id number(7));
```

Results Explain Describe Saved SQL History

Table created.

0.02 seconds

5. Drop the emp table.

```
Autocommit Rows 10 Save Run
drop table emp2;
```

Results Explain Describe Saved SQL History

Table dropped.

0.09 seconds

6. Rename the employees table as emp.

```
Autocommit Rows 10 Save Run
rename emp2 to emp;
```

Results Explain Describe Saved SQL History

Statement processed.

0.03 seconds

7. Add a comment on dept and emp tables. Confirm the modification by describing the table.

```
Home > SQL Workshop > SQL Commands Schema: AER Help
Autocommit Rows 10 Save Run
comment on table dept is 'Department table storing information about the departments';
```

Results Explain Describe Saved SQL History

Statement processed.

0.02 seconds

Autocommit

Rows

10

Save

Run

comment on table emp is 'Employee table storing information about the employee';

Results

Explain

Describe

Saved SQL

History

Statement processed.

0.00 seconds

8. Drop the first_name column from the emp table and confirm it.

Autocommit

Rows

10

Save

Run

alter table emp drop column first_name;

Results

Explain

Describe

Saved SQL

History

Table altered.

0.23 seconds

Autocommit

Rows

10

Save

Run

desc emp;

Results

Explain

Describe

Saved SQL

History

Object Type

TABLE

Object

EMPP

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPP	ID	NUMBER	-	7	0	-	✓	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	SALARY	NUMBER	-	8	2	-	✓	-	-
	DEPT_ID	NUMBER	-	7	0	-	✓	-	-

1 - 4