

EEI 3266 Lab 03

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3. Show the tables created in the database CarSales

Filter objects

carsales

Tables

carvarieties

dependents

employees

sales

Views

Stored Procedures

Functions

Administration

Schemas

Information

Table: carvarieties

Columns:

car_id varchar(10) PK

car_name varchar(50)

car_brand varchar(50)

car_model varchar(50)

car_year year

car_price int

car_color varchar(20)

1 • SELECT * FROM carsales.carvarieties;

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content

	car_id	car_name	car_brand	car_model	car_year	car_price	car_color
▶	C1	Corolla	Toyota	Corolla	2021	1300000	Blue
	C2	Civic	Honda	Civic	2021	2000000	Red
	C3	Accord	Honda	Accord	2023	3200000	Black
	C4	Accord	Honda	Accord2022	2022	2500000	Grey
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

carvarieties 1 x

Apply

Revert

Output

Action Output

#

Time

Action

Message

Filter objects

carsales

Tables

carvarieties

dependents

employees

sales

Views

Stored Procedures

Functions

Administration

Schemas

Information

Table: dependents

Columns:

dependent_id varchar(10) PK

depen_name varchar(50)

depen_relation varchar(50)

depen_dob varchar(10)

depen_gender varchar(10)

employee_id varchar(10)

1 • SELECT * FROM carsales.dependents;

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content

	dependent_id	depen_name	depen_relation	depen_dob	depen_gender	employee_id
▶	D1	Mary	Spouse	1995-07-13	Female	E002
	D2	Sarah	Child	2024-03-10	Female	E002
	D3	Sophia	Child	2022-07-10	Female	E005
	D4	David	Spouse	1991-10-01	Male	E007
*	NULL	NULL	NULL	NULL	NULL	NULL

dependents 1 x

Apply

Revert

Output

Action Output

#

Time

Action

Message

CHEMAS

Filter objects

- carsales
 - Tables
 - carvarieties
 - dependents
 - employees
 - sales
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

Table: employees

Columns:

employee_id varchar(10) PK
emp_name varchar(50)
emp_position varchar(50)
emp_salary int
emp_department varchar(50)
emp_joined_date date

1 • `SELECT * FROM carsales.employees;`

Limit to 1000 rows

Result Grid

employee_id	emp_name	emp_position	emp_salary	emp_department	emp_joined_date
E002	Johnson	Sales Manager	60000	Sales	2021-05-18
E005	Jacqueline	Sales Rep	40000	Sales	2022-06-01
E007	Michael	Mechanic	50000	Maintenance	2022-04-01
NULL	NULL	NULL	NULL	NULL	NULL

employees 1 x

Apply Revert

Result Grid
Form Editor
Field Types

CHEMAS

Filter objects

- carsales
 - Tables
 - carvarieties
 - dependents
 - employees
 - sales
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

Table: sales

Columns:

sale_id varchar(10) PK
sale_date date
sale_amount int
employee_id varchar(10)
car_id varchar(10)

1 • `SELECT * FROM carsales.sales;`

Limit to 1000 rows

Result Grid

sale_id	sale_date	sale_amount	employee_id	car_id
S1	2021-04-02	1300000	E005	C1
S2	2021-03-10	2000000	E005	C2
S3	2023-07-19	3200000	E002	C3
NULL	NULL	NULL	NULL	NULL

sales 1 x

Apply Revert

Result Grid
Form Editor
Field Types

4. Display the names and positions of all employees in Sales Department

The screenshot shows a database query editor with a tab labeled 'salary1 - Table'. The query is as follows:

```
1 SELECT emp_name, emp_position
2 FROM Employees
3 WHERE emp_department = 'Sales';
4
```

Below the query editor, the 'Result Grid' is displayed, showing the following data:

emp_name	emp_position
Johnson	Sales Manager
Jacqueline	Sales Rep

The interface includes a toolbar with various icons, a 'Limit to 1000 rows' dropdown, and a sidebar with options like 'Result Grid', 'Form Editor', and 'Field Types'.

5. List the names and prices of all car varieties

The screenshot shows a database query editor with a tab labeled 'salary1 - Table'. The query is as follows:

```
1 • SELECT car_name, car_price
2 FROM CarVarieties;
3
```

Below the query editor, the 'Result Grid' is displayed, showing the following data:

car_name	car_price
Corolla	1300000
Civic	2000000
Accord	3200000
Accord	2500000

The interface includes a toolbar with various icons, a 'Limit to 1000 rows' dropdown, and a sidebar with options like 'Result Grid', 'Form Editor', and 'Field Types'.

6. Find the names and relationships of dependents with employee id E002

The screenshot shows a SQL query editor with the following query:

```
1 • SELECT depen_name, depen_relation
2 FROM Dependents
3 WHERE employee_id = 'E002';
4
```

Below the query editor, the result grid is displayed with the following data:

depen_name	depen_relation
Mary	Spouse
Sarah	Child

The interface includes a toolbar at the top with icons for file operations, a "Limit to 1000 rows" dropdown, and a "Result Grid" button on the right. The bottom toolbar contains options for "Filter Rows", "Export", "Wrap Cell Content", and "Fetch rows".

7. Find the most expensive Car in that company

The screenshot shows a SQL query editor with the following query:

```
1 • SELECT car_name, car_price
2 FROM CarVarieties
3 ORDER BY car_price DESC
4 LIMIT 1;
5
```

Below the query editor, the result grid is displayed with the following data:

car_name	car_price
Accord	3200000

The interface includes a toolbar at the top with icons for file operations, a "Limit to 1000 rows" dropdown, and a "Result Grid" button on the right. The bottom toolbar contains options for "Filter Rows", "Export", "Wrap Cell Content", and "Fetch rows".

8. Find the total sales in 2021

The screenshot shows a database query interface with a SQL query editor at the top and a result grid below. The query is:

```
1 • SELECT SUM(sale_amount) AS total_sales_2021
2 FROM Sales
3 WHERE YEAR(sale_date) = 2021;
4
```

The result grid shows a single row with the value 3300000 for the column total_sales_2021.

total_sales_2021
3300000

9. If a new car is going to be added to the showroom,

'C4','Accord','Accord2022', 2022, 2500000,'Grey'

Do the modifications in CarVarieties table

The screenshot shows a database query interface with a SQL query editor at the top and a table view below. The query is:

```
1 INSERT INTO CarVarieties (car_id, car_name, car_brand, car_model, car_year, car_price, car_color)
2 VALUES ('C4', 'Accord', 'Honda', 'Accord2022', 2022, 2500000, 'Grey');
3
```

The table view shows the CarVarieties table with the following data:

car_id	car_name	car_brand	car_model	car_year	car_price	car_color
C1	Corolla	Toyota	Corolla	2021	1300000	Blue
C2	Civic	Honda	Civic	2021	2000000	Red
C3	Accord	Honda	Accord	2023	3200000	Black
C4	Accord	Honda	Accord2022	2022	2500000	Grey
NULL	NULL	NULL	NULL	NULL	NULL	NULL

10. Delete the details of employee with employee id E007

Before the delete:

Limit to 1000 rows

```
1 • SELECT * FROM carsales.employees;
```


< >

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	employee_id	emp_name	emp_position	emp_salary	emp_department	emp_joined_date
▶	E002	Johnson	Sales Manager	60000	Sales	2021-05-18
	E005	Jacqueline	Sales Rep	40000	Sales	2022-06-01
	E007	Michael	Mechanic	50000	Maintenance	2022-04-01
*	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid
Form Editor

After the delete:



The screenshot shows the SQL Developer interface. At the top, a toolbar contains various icons for file operations, editing, and navigation. Below the toolbar, a text area displays the SQL query: `1 • SELECT * FROM carsales.employees;`. Below the query, a horizontal scrollbar is visible. At the bottom, the 'Result Grid' tab is active, showing a table with the following data:

employee_id	emp_name	emp_position	emp_salary	emp_department	emp_joined_date
E002	Johnson	Sales Manager	60000	Sales	2021-05-18
E005	Jacqueline	Sales Rep	40000	Sales	2022-06-01
NULL	NULL	NULL	NULL	NULL	NULL