Session 4-6 Sorting Data

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Scope

SELECT [ALL/DISTINCT] column_list

FROM table_list

[WHERE conditional expression]

[GROUP BY group_by_column_list]

[HAVING conditional expression]

[ORDER BY order_by_column_list]



ORDER BY Clause Syntax

- The ORDER BY clause presents data in sorted order
- Ascending order is default
- Use DESC keyword to override column default



ORDER BY Clause Syntax Sort Sequence

- In ascending order, values will be listed in the following sequence:
 - Numeric values
 - Character values
 - NULL values
- In descending order, sequence is reversed



ORDER BY Example

select lastname, firstname, city, state
from customers
where state = 'FL' OR state = 'CA'
order by city;

Cancel

Save Script)

FIRSTNAME	CITY		ST
JORGE	BURBANK		CA
MICHELL	BURBANK		CA
NICHOLAS	CLERMONT		FL
BONITA	EASTPOINT		FL
STEVE	MIAMI		FL
RYAN	SANTA MONICA		CA
LEILA	TALLAHASSEE	_	FL
	JORGE MICHELL NICHOLAS BONITA STEVE RYAN	JORGE BURBANK MICHELL BURBANK NICHOLAS CLERMONT BONITA EASTPOINT STEVE MIAMI RYAN SANTA MONICA	JORGE BURBANK MICHELL BURBANK NICHOLAS CLERMONT BONITA EASTPOINT STEVE MIAMI RYAN SANTA MONICA

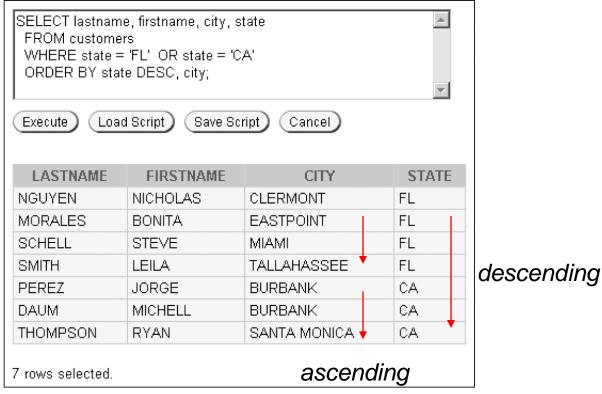
7 rows selected.

Execute

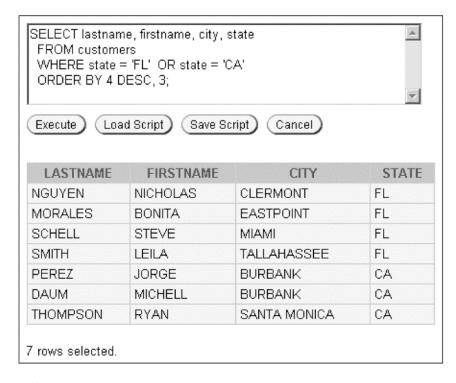
Load Script



ORDER BY Example



ORDER BY Can Reference Column Position



4th column: state 3rd column: city

FIGURE 8-38 Referencing column positions of sort columns in the ORDER BY clause



Wrap-up

- ORDER BY clause to sort data
- Ascending/descending order
- Reference column position

