SQL Server 2008: Database Query

CIS 3730
Designing and Managing Data

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Start a Query

1. Choose your database

2. Click here for a new query

Query editing window
Query Execution and Results

1. Type the query here.

2. Execute the query

Make sure your database is selected! Sometimes it is another database, so you have to change it for successful queries.

Results window

Query results summary
Results to Text

![Database Management Interface]

SQL Query: `SELECT * FROM Products`

Results:

<table>
<thead>
<tr>
<th>ProductID</th>
<th>ProductName</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chai</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Chang</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Aniseed Syrup</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Chef Anton's Cajun Seasoning</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Chef Anton's Gumbo Mix</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Grandma's Boysenberry Spread</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>Uncle Bob's Organic Dried Pears</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>Northwoods Cranberry Sauce</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>Mishi Kobe Niku</td>
<td>4</td>
</tr>
<tr>
<td>10</td>
<td>Tkura</td>
<td>4</td>
</tr>
</tbody>
</table>

Results to grid

Results to text
IntelliSense allows auto-completion of existing object names and server keywords; it is a very useful tool.
Message Window

The message window displays system message. This message indicates the query is successful.
Errors

The message window also displays error messages after query execution. Analyze these messages to correct mistakes.

Red wavy lines indicate problems: syntax errors or non-existing objects.

Learn to understand these messages and solutions. Google is a good place: just copy and paste the error message and see what you can find.
Saving Queries

Queries are not saved in the database. Click the save button to save SQL queries (.sql files) in a folder in Windows.

Multiple queries or contents are organized in tabs.
Designing Query in Editor

Alternatively, you can use the graphic interface to design a query.
Right click anywhere in the table pane to bring up a menu; add more tables or add group by.

Criteria pane

Generated SQL

Sort order and type