

<b>What</b>	<b>How</b>	<b>Example(s)</b>
<b>All columns</b>	SELECT * FROM <i>table</i> ;	SELECT * FROM Students;
<b>Some columns</b>	SELECT <i>column1,column2,...</i> FROM <i>table</i> ;	SELECT LastName, FirstName FROM Students;
<b>Some rows/ columns</b>	SELECT <i>column1,column2,...</i> FROM <i>table</i> [WHERE <i>condition(s)</i> ];	SELECT LastName,FirstName FROM Students WHERE StudentID LIKE '%123%';
<b>No Repeats</b>	SELECT [DISTINCT] <i>column(s)</i> FROM <i>table</i> ;	SELECT DISTINCT LastName FROM Students;
<b>Ordering</b>	SELECT <i>column1,column2,...</i> FROM <i>table</i> [ORDER BY <i>column(s)</i> [DESC]];	SELECT LastName,FirstName FROM Students ORDER BY LastName, FirstName DESC;
<b>Column Aliases</b>	SELECT <i>column1</i> [AS <i>alias1</i> ], <i>column2</i> [AS <i>alias2</i> ], ... FROM <i>table1</i> ;	SELECT LastName,FirstName AS First FROM Students;
<b>Grouping</b>	SELECT <i>column1,column2,...</i> FROM <i>table</i> [GROUP BY <i>column(s)</i> ];	SELECT LastName,COUNT(*) FROM Students GROUP BY LastName;
<b>Group Filtering</b>	SELECT <i>column1,column2,...</i> FROM <i>table</i> [GROUP BY <i>column(s)</i> [HAVING <i>condition(s)</i> ];	SELECT LastName,COUNT(*) FROM Students GROUP BY LastName HAVING LastName like '%son';
<b>Joins</b>	SELECT <i>column1,column2,...</i> FROM <i>table1,table2,...</i> [WHERE <i>condition(s)</i> ];	SELECT LastName,Points FROM Students,Assignments WHERE AssignmentID=12 AND Students.StudentID=Assignments.StudentID;
<b>Table Aliases</b>	SELECT <i>column1,column2,...</i> FROM <i>table1</i> [ <i>alias1</i> ], <i>table2</i> [ <i>alias2</i> ],... [WHERE <i>condition(s)</i> ];	SELECT LastName,Points FROM Students S,Assignments A WHERE S.StudentID=A.StudentID AND A.AssignmentID=12;
<b>Everything</b>	SELECT [DISTINCT] <i>column1</i> [AS <i>alias1</i> ], <i>column2</i> [AS <i>alias2</i> ], ... FROM <i>table1</i> [ <i>alias1</i> ], <i>table2</i> [ <i>alias2</i> ],... [WHERE <i>condition(s)</i> ] [GROUP BY <i>column(s)</i> ] [HAVING <i>condition(s)</i> ] [ORDER BY <i>column(s)</i> [DESC]];	SELECT Points, COUNT(*) AS Cnt FROM Students S,Assignments A WHERE S.StudentID=A.StudentID AND A.AssignmentID=12 GROUP BY Points HAVING Points > 10 ORDER BY Cnt, Points DESC;