



Database Technology

Pengantar Database

TEKNIK INFORMATIKA

KODE MK : TIF19410

SKS : 2/2



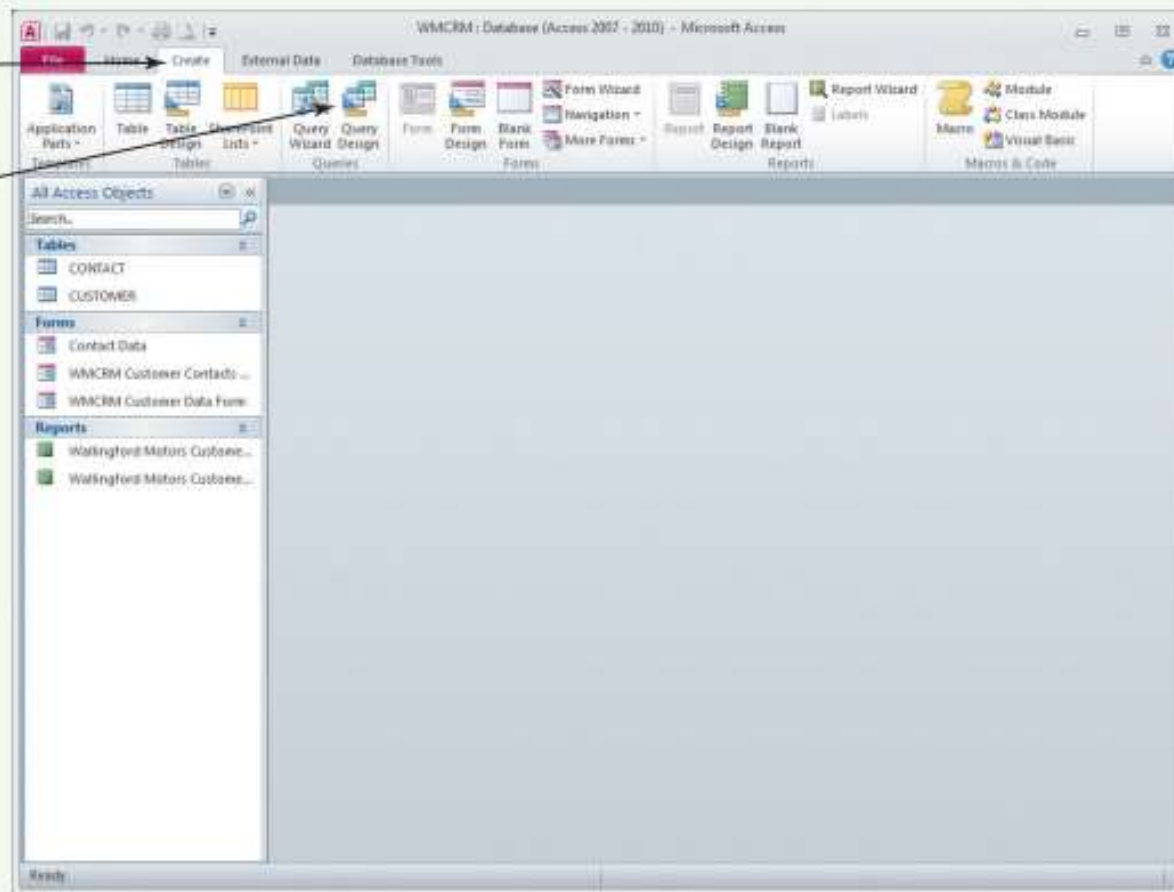
MICROSOFT ACCESS SQL

Membuka Jendela Query

1. Start Microsoft Access.
2. Click the File command tab to display the File menu and then click the WMCRM.accdb database file name in the quick access list to open the database.
3. Click the Create command tab to display the Create command groups, as shown in Figure AW-3-1.

The **Create** command tab

The **Query Design** button



4. Click the Query Design button.
5. The Query1 tabbed document window is displayed in Design view, along with the Show Table dialog box, as shown in Figure AW-3-2.
6. Click the Close button on the Show Table dialog box. The Query1 document window is used for creating and editing Access queries in Design view and is used with Access QBE, as discussed later in this section.

Menjalankan Query SQL

1. Click the SQL View button in the Results group on the Design tab. The Query1 window switches to the SQL view, as shown in Figure AW-3-4. Note the basic SQL command `SELECT;` that's shown in the window. This is an incomplete command, and running it will not produce any results.
2. Edit the SQL `SELECT` command to read `SELECT * FROM CUSTOMER;` as shown in Figure AW-3-5.

The **Query Tools** command tab

The **SQL View** button

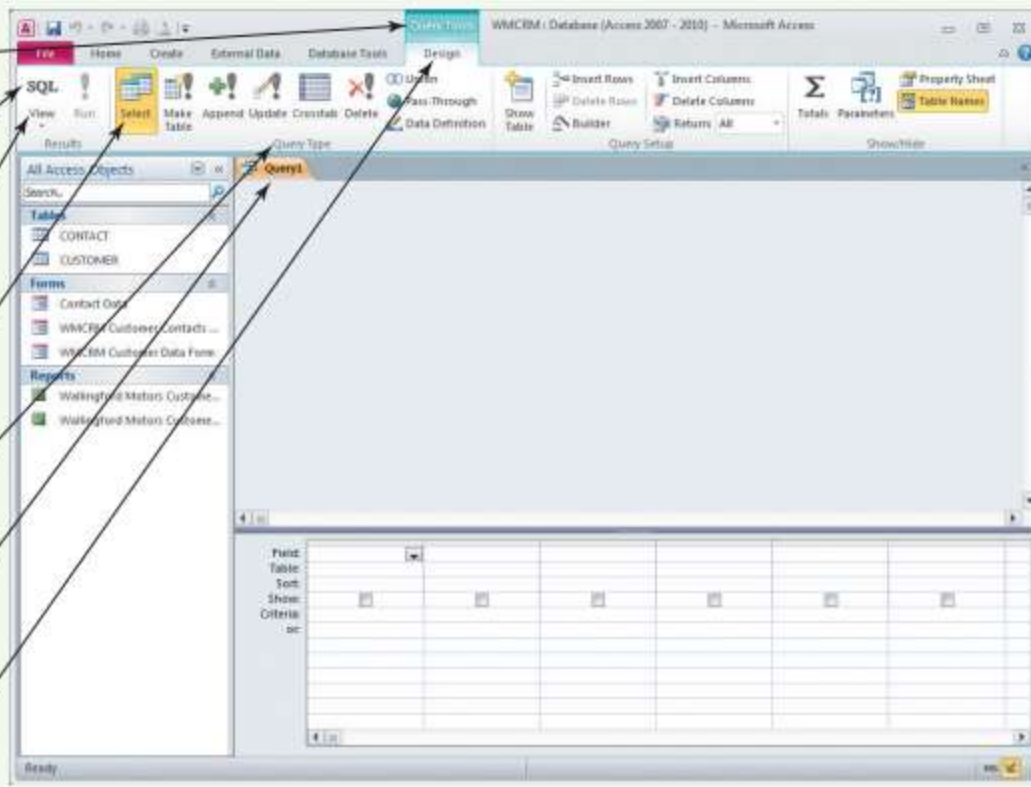
The **View gallery** drop-down arrow button

The **Select Query Type** button

The **Query Type** command group

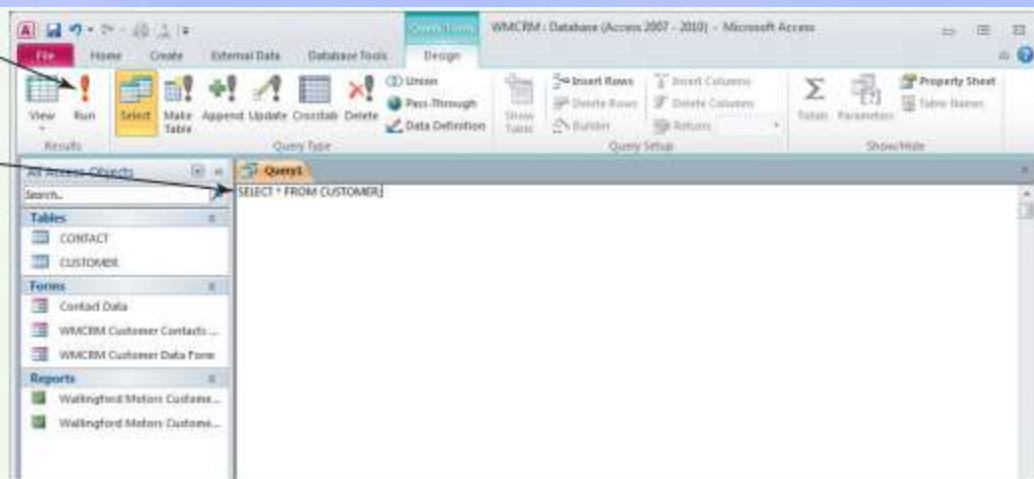
The **Query1** tabbed document window in Design view

The **Design** tab command tab



The **Run** button

The complete SQL query statement—**SELECT * FROM CUSTOMER;**



3. Click the Run button on the Design tab
4. Click the Shutter Bar Open/Close button to minimize the Navigation Pane and then click the Query1 document tab to select the Query1 window. The query results appear, as shown in Figure AW-3-6.

The query results

The screenshot shows the Microsoft Access interface with a query named 'Query1' open. The query results are displayed in a table view. The table has columns for CustomerID, LastName, FirstName, Address, City, State, ZIP, Phone, Fax, and Email. The data is as follows:

CustomerID	LastName	FirstName	Address	City	State	ZIP	Phone	Fax	Email
1	Griffey	Ben	5478 25th NE	Seattle	WA	98178	206-456-2345		Ben.Griffey@somewhere.com
3	Christman	Jessica	3456 30th SW	Seattle	WA	98189	206-467-3456		Jessica.Christman@somewhere.com
4	Christman	Rob	4567 47th NW	Seattle	WA	98167	206-478-4567	206-478-9998	Rob.Christman@somewhere.com
5	Hayes	Judy	234 Highland P	Edmonds	WA	98210	425-354-8765		Judy.Hayes@somewhere.com
*	(New)								

The status bar at the bottom indicates 'Record 1 of 4' and 'Ready'.

Menyimpan Query SQL

1. To save the query, click the Save button on the Quick Access Toolbar. The Save As dialog box appears, as shown in Figure AW-3-7
2. Type in the query name SQL-Query-AW03-01 and then click the OK button. The query is saved, and the window is renamed with the query name, as shown in Figure AW-3-8.
3. Click the Shutter Bar Open/Close button to expand the Navigation Pane. As shown in Figure AW-3-8, the query document window is now named SQL-Query-AW03-01, and a newly created SQL-Query-AW03-01 query object appears in a Queries section of the Navigation Pane.
4. Close the SQL-Query-AW03-01 window by clicking the document window's Close button.
5. If Access displays a dialog box asking whether you want to save changes to the design of the query SQL-Query-AW03-01, click the Yes button.



MICROSOFT ACCESS QBE

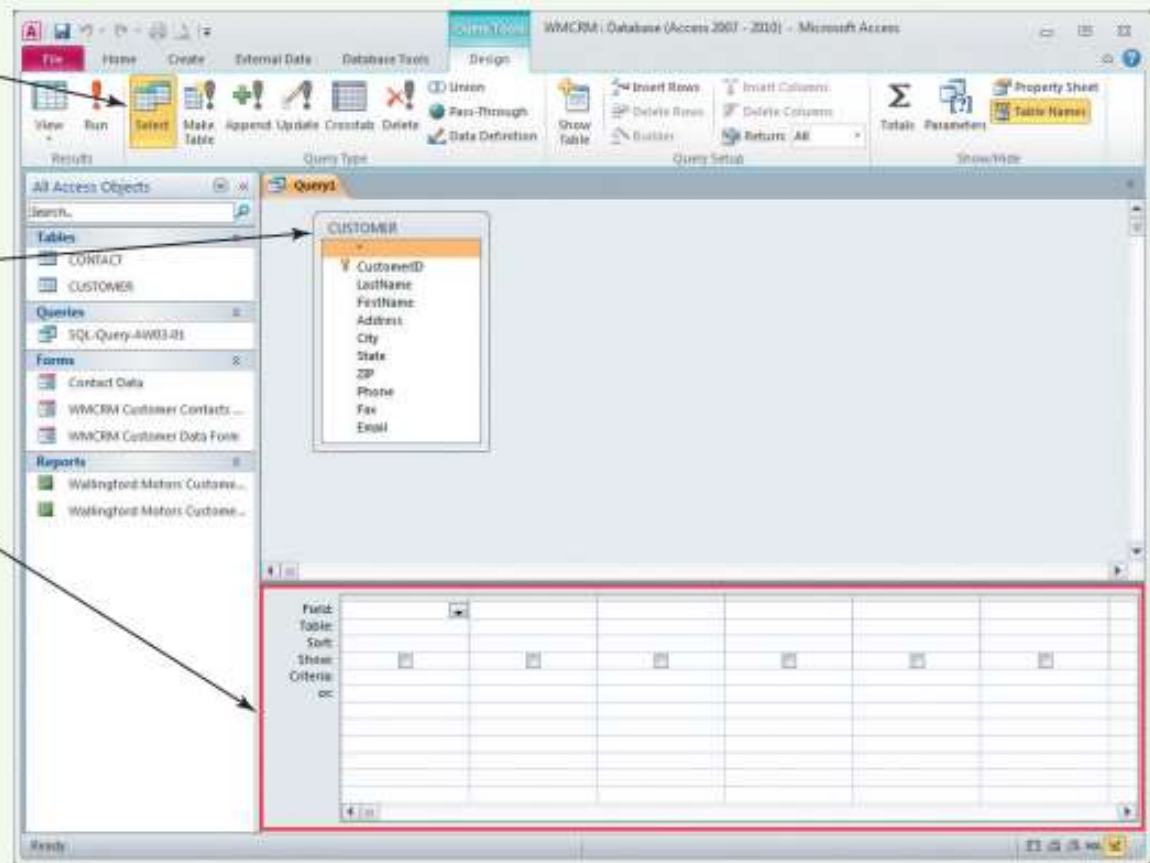
Membuat & Menjalankan QBE

1. Click the Create command tab to display the Create command groups.
2. Click the Query Design button.
3. The Query1 tabbed document window is displayed in Design view, along with the Show Table dialog box, as shown in Figure AW-3-2.
4. Click CUSTOMER to select the CUSTOMER table. Click the Add button to add the CUSTOMER table to the query.
5. Click the Close button to close the Show Table dialog box.
6. Rearrange and resize the query window objects in the Query1 query document window, using standard Windows drag-and-drop techniques. Rearrange the window elements until they look as shown in Figure AW-3-9.

This query is a Select query

Tables in the query appear in the top pane, together with a list of their columns (the *field list*) and an asterisk (*), meaning "all columns"

Columns in the query are called *fields* and appear in the bottom pane, together with related property values

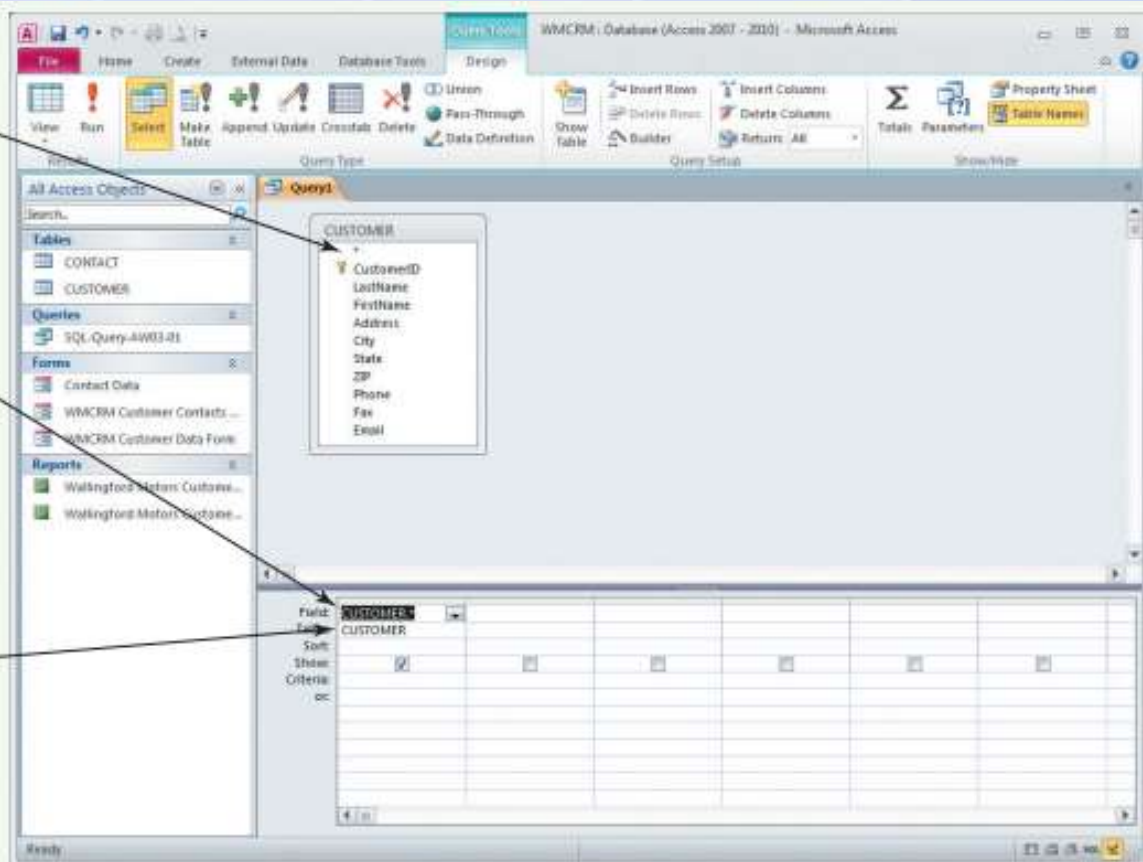


7. Note the elements of the Query1 window shown in Figure AW-3-9: Tables and their associated set of columns – called a field list – that are included in the query are shown in the upper pane, and the columns (fields) actually included in the query are shown in the lower pane. For each included column (field), you can set whether this column’s data appear in the results, how the data are sorted, and the criteria for selecting which rows of data will be shown. Note that the first entry in the table’s field list is the asterisk (*), which has its standard SQL meaning of “all columns in the table.”
8. Include columns in the query by dragging them from the table’s field list to a field column in the lower pane. Click and drag the *in CUSTOMER to the first field column, as shown in Figure AW-3-10. Note that the column is entered as CUSTOMER.*from the table CUSTOMER.
9. To save the QBE query, click the Save button on the Quick Access Toolbar to display the Save As dialog box. Type in the query name QBE-Query-AW03-02, and then click the OK button. The query is saved, the window is renamed QBE-Query-AW03-02, and a newly created QBE-Query-AW03-02 query object appears in a Queries section of the Navigation Pane.
10. Click the Run button on the Query Design toolbar.

To add a column to the query, click the column name and drag it to a cell in the **Field:** row in the lower pane

The asterisk (*) symbol was dragged and dropped here to add the **CUSTOMER.*** field to the query

The table name is automatically added to the query to specify the source of the column—this is important if there is more than one table in the query with the same column name



11. Click the Shutter Bar Open/Close button to minimize the Navigation Pane. You may need to resize column widths to see all the data. The query results appear, as shown in Figure AW-3-11. Note that these results are identical to the results shown in Figure AW-3-6.
12. Click the Shutter Bar Open/Close button to expand the Navigation Pane and then click the query document tab to select it.
13. Close the QBE-Query-AW03-02 query.
14. If Access displays a dialog box asking whether you want to save changes to the layout of the query QBE-Query-AW03-02, click the Yes button.

As expected, the query results are identical to those shown in Figure AW-3-6

The results are sorted by CustomerID

WMCRM - Database (Access 2007 - 2010) - Microsoft Access

QBE Query - AW03-02

CustomerID	LastName	FirstName	Address	City	State	ZIP	Phone	Fax	Email
1	Griffley	Ben	5678 25th NE	Seattle	WA	98178	206-456-2345		Ben.Griffley@somewhere.com
3	Christman	Jessica	3456 36th SW	Seattle	WA	98189	206-467-3456		Jessica.Christman@somewhere.com
4	Christman	Rob	4567 47th NW	Seattle	WA	98167	206-478-4567	206-478-9998	Rob.Christman@somewhere.com
5	Hayes	Judy	234 Highland P	Edmonds	WA	98210	425-354-8765		Judy.Hayes@somewhere.com
* (New)									

Record: 1 of 4

TERIMA KASIH

