

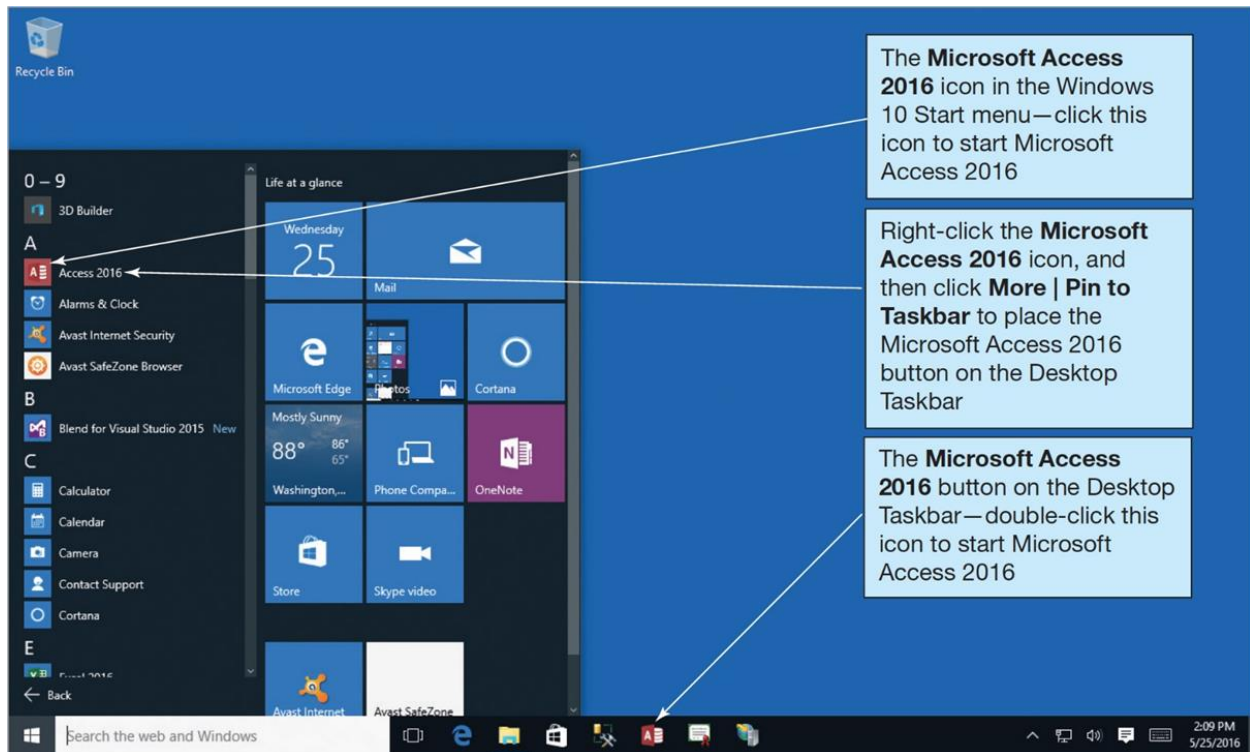
CSIS 2300 – Database I

Laboratory 1- Introduction to MS Access

Objectives:

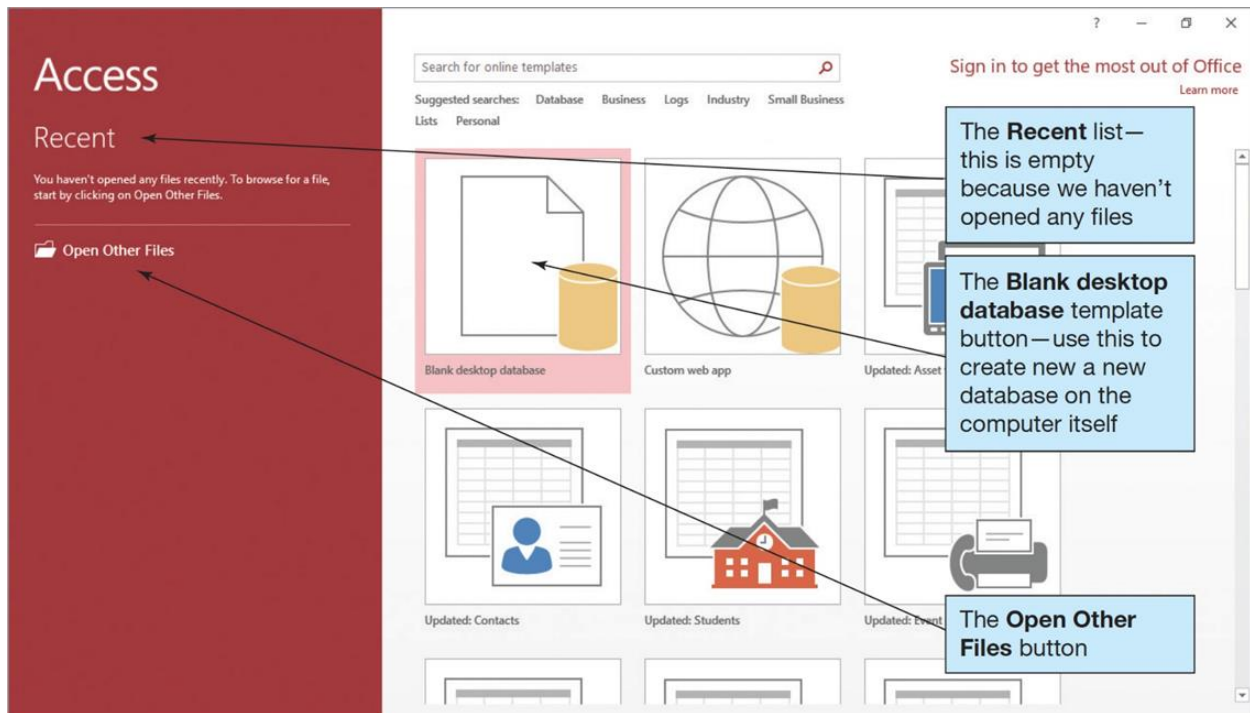
1. Review the basics of Microsoft Access
2. Learn how to create a Microsoft Access database
3. Learn how to work with basic forms and reports
4. Learn how to close and exit Microsoft Access
5. Learn how to open an existing Microsoft Access database
6. Learn how to create a Microsoft Access table
7. Learn how to insert data into tables
8. Learn how to modify data in tables

1. Open Microsoft Access



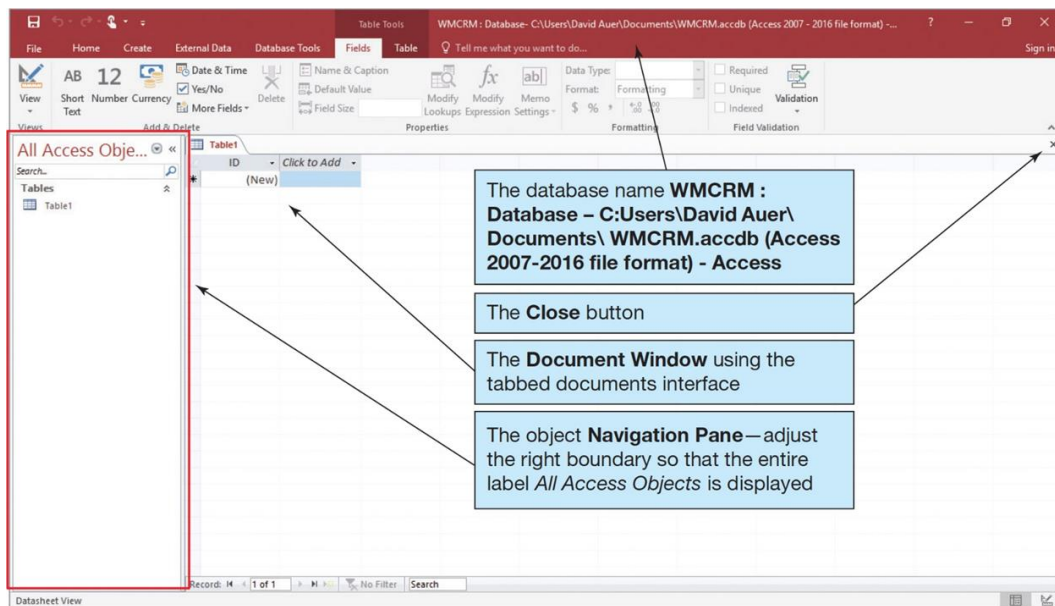
Access 2016, Windows 10, Microsoft Corporation.

2. Click the blank database button to create a new database



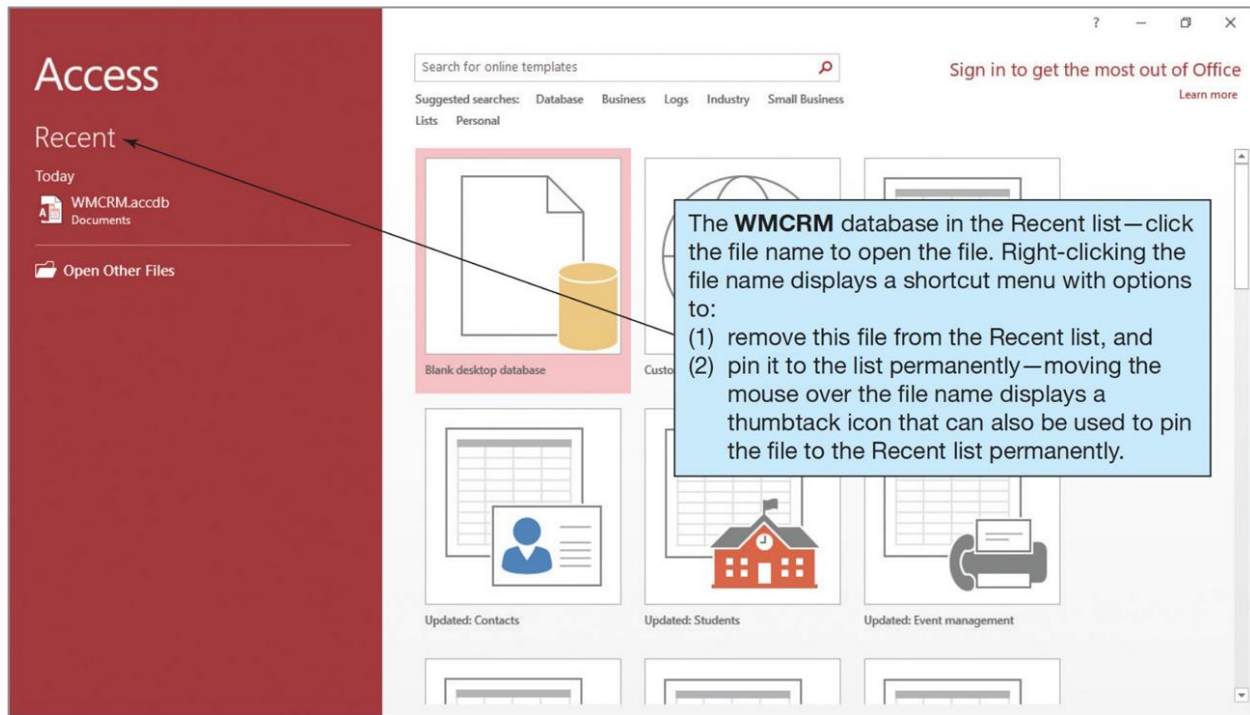
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3. Type the database name **WCMCRM** then click create. The MS Access interface will appear.



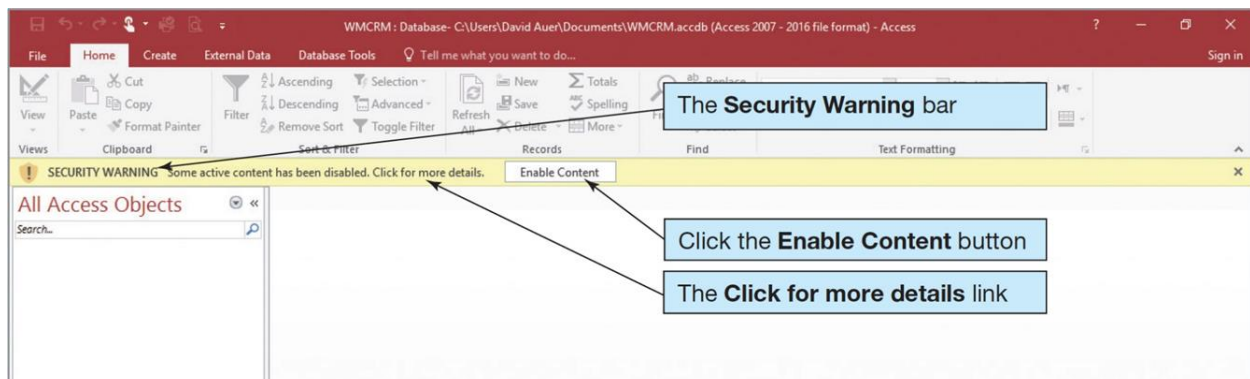
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4. To close a database, click the close button in the file menu. Close the database.
5. Open MS Access again and from the recent files, click the WMCRM database.



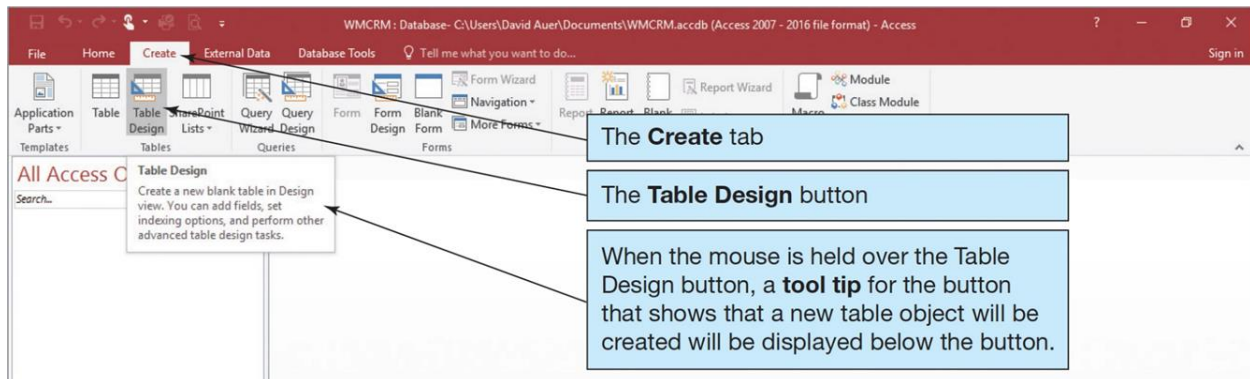
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6. Click enable content in order for us to begin creating objects.

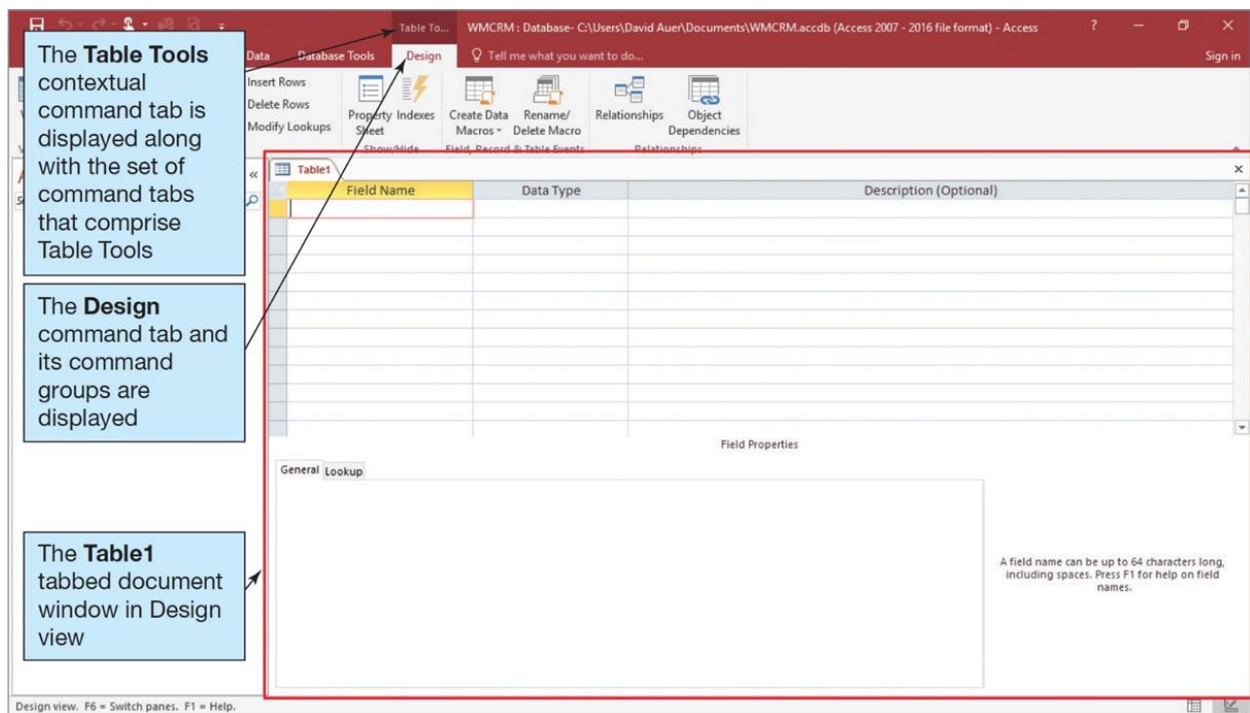


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7. Now we are ready to create a table, click the create tab and then click the table design button.

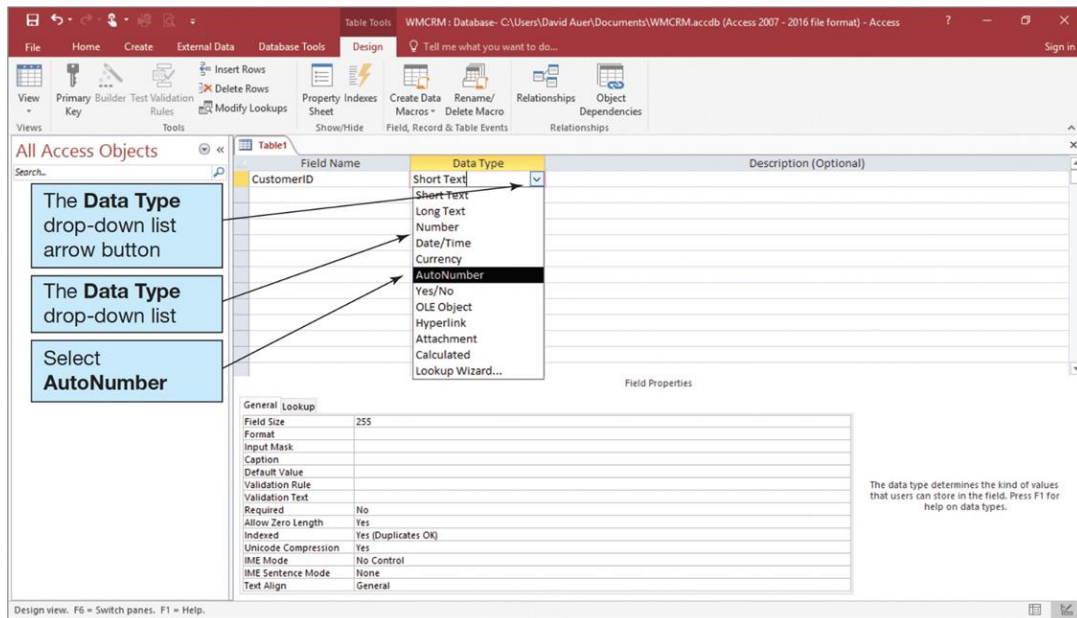


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8. Write the field names in the field column and change to the appropriate data type. For example the table below shows CustomerID with the data type of Autonumber.



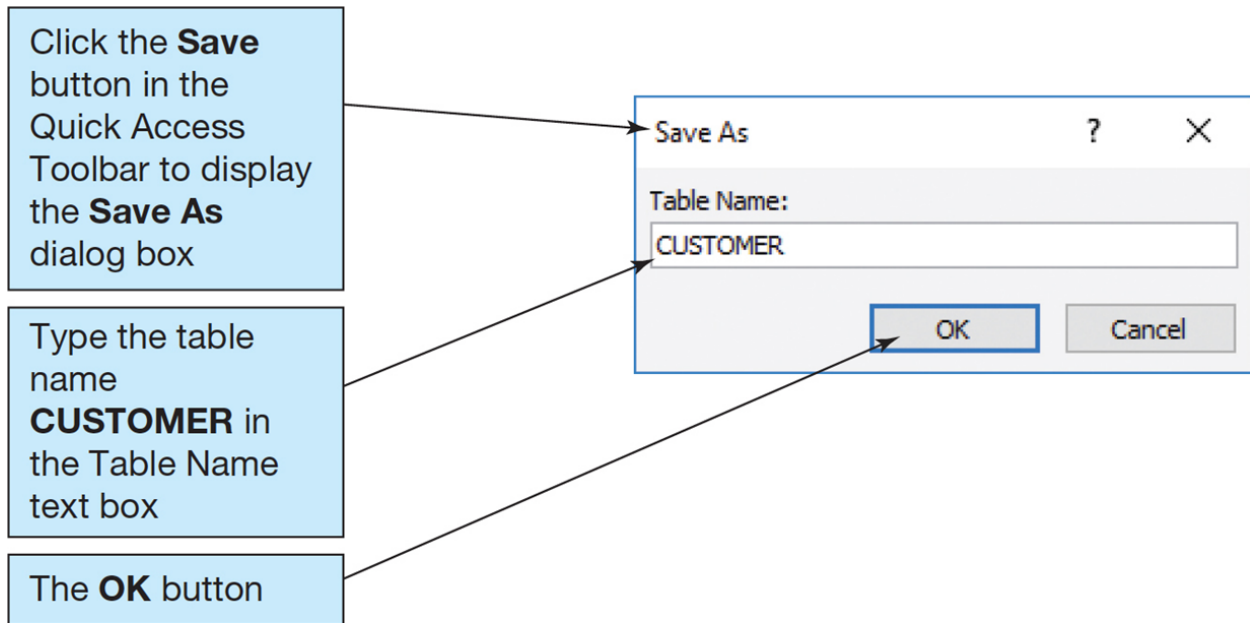
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9. Use the guide below to fill out the remaining fields.

Column Name	Type	Key	Required	Remarks
CustomerID	AutoNumber	Primary Key	Yes	Surrogate Key
LastName	Short Text (25)	No	Yes	.
FirstName	Short Text (25)	No	Yes	.
Address	Short Text (35)	No	No	.
City	Short Text (35)	No	No	.
State	Short Text (2)	No	No	.
ZIP	Short Text (10)	No	No	.
Phone	Short Text (12)	No	Yes	.
Fax	Short Text (12)	No	No	.
EmailAddress	Short Text (100)	No	No	.

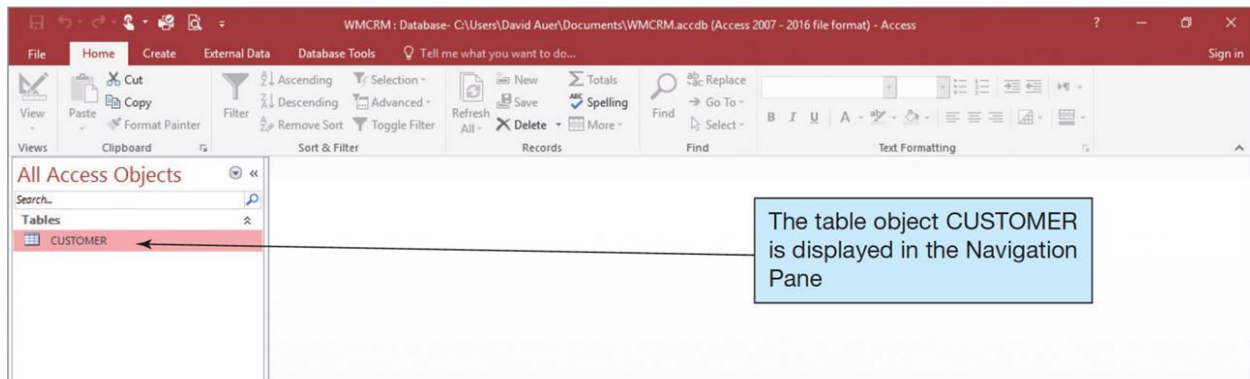
Note: to make the field required toggle the yes or no button in the required section of each field. The primary key is the one with a key icon beside it. Change the field size to reflect what is inside the parenthesis in the type column.

10. When you are done inputting the fields, click the save button and name the table **CUSTOMER**.



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11. We are now ready to insert data inside the **CUSTOMER** table. In the navigation pane, double click the **CUSTOMER** table object.



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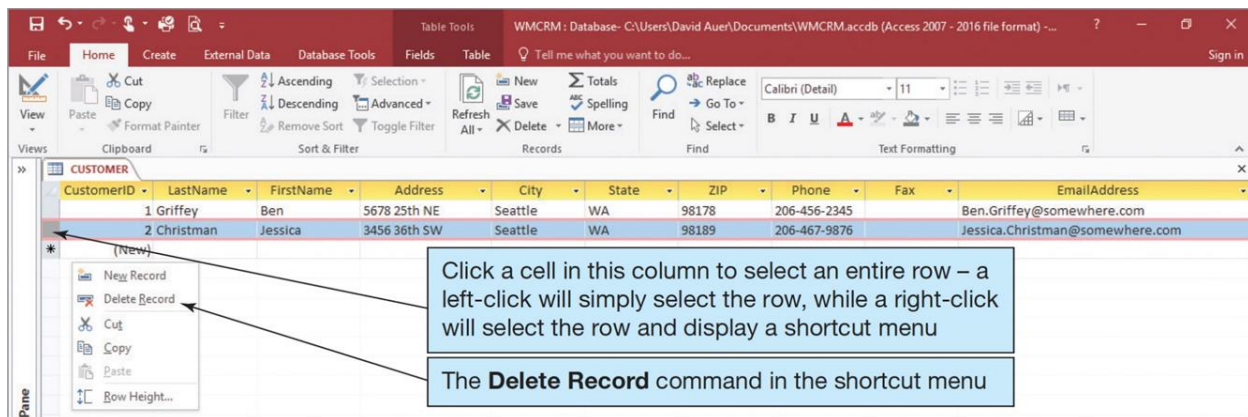
12. Enter the **first two records** following data:

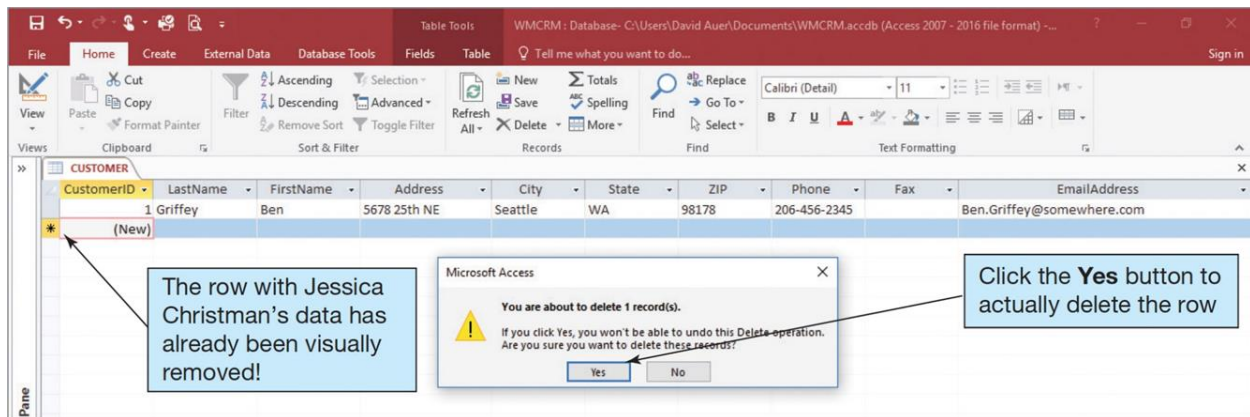
LastName	FirstName	Address	City	State	Zip
Griffey	Ben	5678 25 th NE	Seattle	WA	98179
Christman	Jessica	3456 36 th SW	Seattle	WA	98189
Christman	Rob	4567 47 th NW	Seattle	WA	98167
Hayes	Judy	234 Highland Place	Edmonds	WA	98210

LastName	FirstName	Phone	Fax	EmailAddress
Griffey	Ben	206-456-2345	.	Ben.Griffey@somewhere.com
Christman	Jessica	206-467-3456	.	Jessica.Christman@somewhere.com
Christman	Rob	206-478-4567	206-478-9998	Rob.Christman@somewhere.com
Hayes	Judy	425-354-8765	.	JudyHayes@somewhere.com

We can modify the data by clicking the cell and changing the value similar to an excel sheet.

13. To delete a record, select the row representing the data you want to delete and press write click. For example, select Jessica Christman's data and delete it.

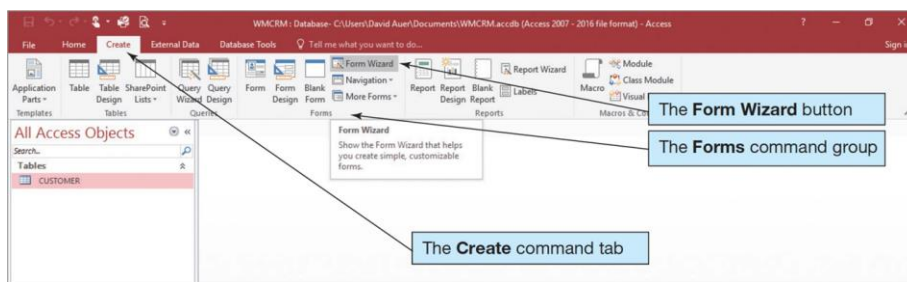




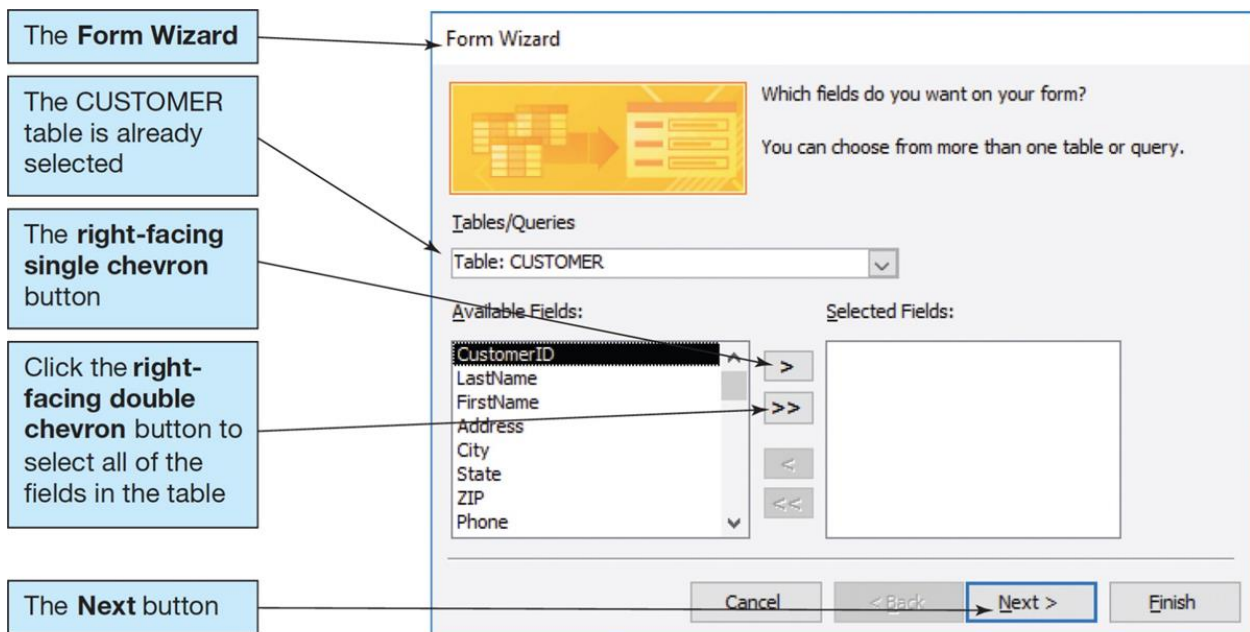
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14. We do not want to lose Jessica record as this point so reenter the data.

15. We can also insert records using a data form. Click the create command and click form wizard.



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16. In the form wizard, you will be asked to do the following:

- Select a table. Since we only have one table, the table customer is already selected for you
- Select the fields. In this case we want to select all fields so transfer all available fields to selected fields.
- When asked about the layout, use the default this means you will not change anything and just click next.
- Type WMCRM as the form title then click the finish button.

- Your finished form should look like the one the figure below:

The WMCRM Customer Data Form with the data for Judy Hayes

The **Close** button

The **Last Record** button

The **Next Record** button

The **Previous Record** button

The **First Record** button

Field	Value
CustomerID	5
LastName	Hayes
FirstName	Judy
Address	234 Highland Place
City	Edmonds
State	WA
ZIP	98210
Phone	425-354-8765
Fax	
EmailAddress	Judy.Hayes@somewhere.com

Record: 4 of 4

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17. To insert a record using the data form, click the New Record button. Enter the remaining two records (Rob and Judy) using this method.

The WMCRM Customer Data Form tabbed document window

The **Forms** section of the Navigation Pane

The WMCRM Customer Data Form object

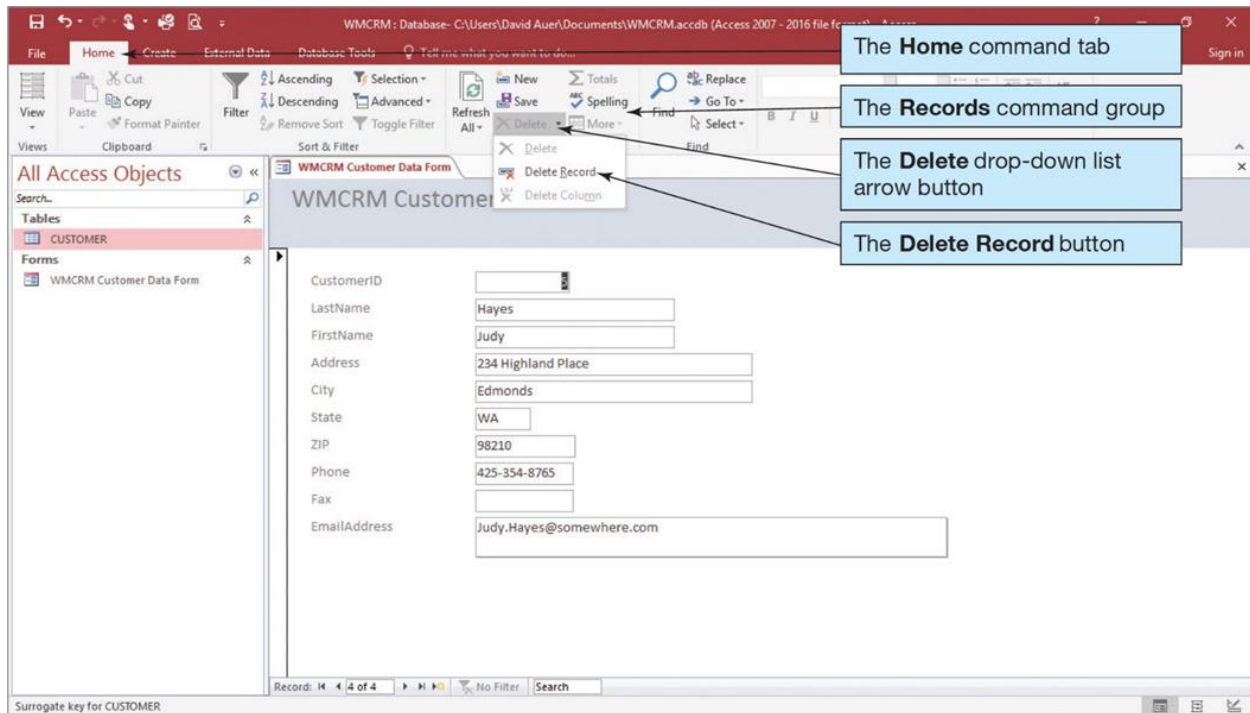
The **New Record** button

Field	Value
CustomerID	
LastName	Griffey
FirstName	Ben
Address	2678 25th NE
City	Seattle
State	WA
ZIP	98178
Phone	206-456-2345
Fax	
EmailAddress	Ben.Griffey@somewhere.com

Record: 1 of 2

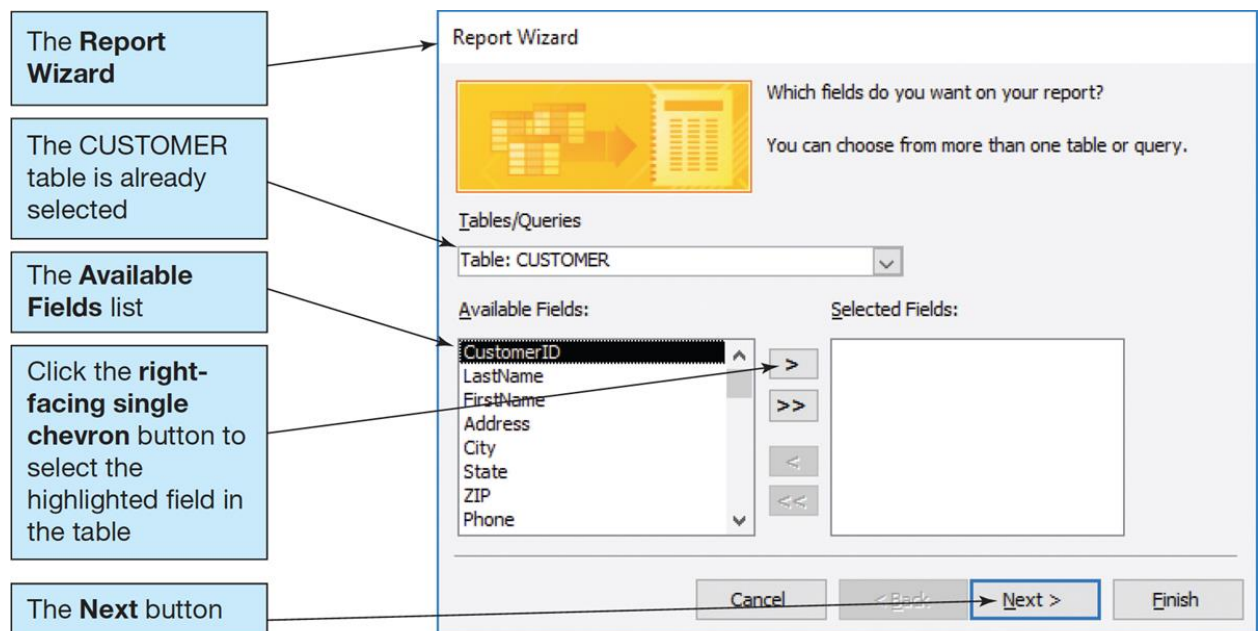
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18. You can also modify or delete the records using the form. We will not delete any record for now.



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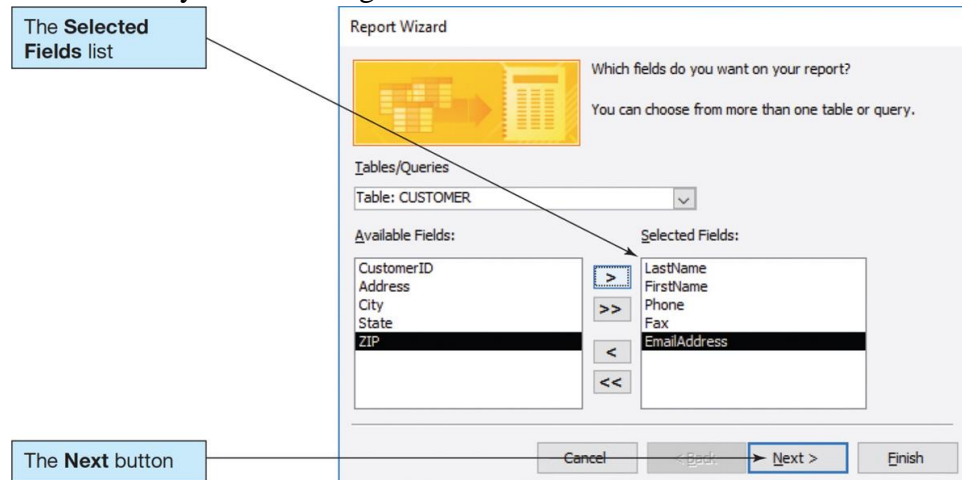
19. Now we are ready to create a report. Click the Create and click Report Wizard.



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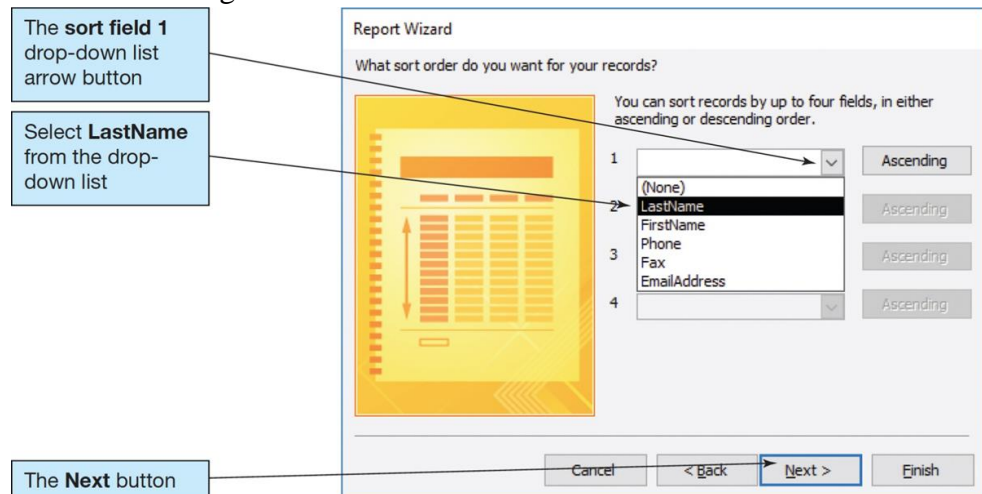
20. Do the following:

- a) Select the table or query the report will be based upon. In this case, Customer.
- b) Select the fields you want to appear in the report. In this case we will select only the following fields:



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- c) Click the next button.
- d) We will not add any grouping at this point so click next.
- e) When asked about the sort order, we choose last name and we want to sort it in an ascending format.



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- f) Click next and for the orientation we will use the default so we click next again.
- g) Type **Wallingford Motors Customer Report** as the title.

h) Click the finish button.

