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# Mystery Database

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- **Worksheets**
  - Table/Form Page
  - Suspects-Import version/Query
  - Suspects-Type all version/Query
  - Mystery #1
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- **25 Suspect cards (Use Form to enter)**
  - Cut apart individually and give to students (pass around to enter info)
  - Give strips to other officers (special teachers) that students have to find by solving an additional riddle, puzzle, math problem.
  - Place QR codes around room that make students solve another riddle to learn officer location or that show suspect information.

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"We Expect...We Believe...We Achieve...We are Western Hills!"



## ACCESS—TABLES, FORMS and QUERIES

### *Mystery Database*

*You are a detective assigned to the robbery division. You will use Microsoft Access to help solve two mysteries. You will be given a collection of information about suspects that you will include in the database, and it is your job to search the database to find out who the criminal really is.*

### Tables

1. Create a New Blank Database **LastNameFirstName\_Mystery**
2. Create a Table in Design View with the following Field Names/Data Types and Notes (Yes, type the Notes); Information found in the notes will also be used in your Lookup Wizard:

Field Name	Data Type	Notes
First Name	Text	
Last Name	Text	
Sex	Text (Lookup Wizard)	Male, Female
Hair	Text (Lookup Wizard)	Blonde, Black, Brown, Red
Eyes	Text (Lookup Wizard)	Blue, Brown, Green
Height	Text (Lookup Wizard)	Short, Tall, Average
Build	Text (Lookup Wizard)	Small, Medium, Large
Glasses	Yes/No	Check for YES

3. Delete the Primary Key (i.e. ID) and Save Table as **LastNameFirstName\_Suspects** and Close the Table

The screenshot shows the Table Design View for a table named 'LastNameFirstName\_Suspects'. The table has eight fields: First Name, Last Name, Sex, Hair, Eyes, Height, Build, and Glasses. Each field has a dropdown arrow next to its name. The 'Glasses' field has a small square icon next to it, indicating it is a Yes/No field. The 'First Name' field is highlighted with a yellow border.

### Forms

1. Click on the Create tab and choose Form
2. Title and save your Form as **LastNameFirstName\_Suspects**
3. This will take you to the Layout View. Toggle back to Form View.
4. You will now add your suspects. Remember to capitalize and proofread carefully (put a check box if TRUE for glasses).

The screenshot shows the Form View for a form named 'LastNameFirstName\_Suspects'. The form has a blue header bar with the title 'LastNameFirstName\_Suspects'. Below the header, there are eight text boxes for data entry, each with a label to its left: First Name, Last Name, Sex, Hair, Eyes, Height, Build, and Glasses. The 'Glasses' field has a small square checkbox next to it.

**ACCESS—TABLES, FORMS and QUERIES**  
***Mystery Database***

**Suspects: (\*Import)**

Name	Sex	Hair	Eyes	Height	Build	Glasses
Allen Wrench	Male	Black	Brown	Short	Small	No
Anne Ville	Female	Black	Brown	Short	Medium	No
Barry Meddeep	Male	Blonde	Brown	Average	Medium	Yes
Bea Gone	Female	Blonde	Blue	Short	Small	No
Bill Payer	Male	Blonde	Blue	Short	Small	Yes
Bob Forapples	Male	Black	Blue	Tall	Large	Yes
Bob Sledd	Male	Black	Green	Average	Large	Yes
Candy Graham	Female	Brown	Green	Average	Small	No
Carrie Meback	Female	Blonde	Blue	Tall	Small	Yes
Chris Ko	Female	Black	Brown	Tall	Small	No
Cora Gated	Female	Blonde	Blue	Short	Small	Yes
Dan Druff	Male	Black	Green	Short	Large	No
Ethyl Gass	Female	Black	Green	Average	Medium	Yes
Frank Furter	Male	Red	Green	Average	Large	Yes
Harry Knuckles	Male	Blonde	Blue	Short	Large	Yes

Using the External Data Ribbon, you will Import an Excel sheet called “Mystery DatabaseData\_Import”. You will then Append a copy of the records to the table you designed. The Import Wizard will step you through the process but read carefully. You do not need to analyze your table.

Once you have entered all of your data, save your table. Be sure you have added all of the town suspects courtesy of your fellow officers and neighborhood watch group. (24 additional suspects)

## Queries

A query is a way to get specific information from the database. Essentially, it’s a question. You will now generate queries in order to determine the criminal.

## ACCESS—TABLES, FORMS and QUERIES

### *Mystery Database*

#### Suspects:

First Name	Last Name	Sex	Hair	Eyes	Height	Build	Glasses
Allen	Wrench	Male	Black	Brown	Short	Small	No
Anne	Ville	Female	Black	Brown	Short	Medium	No
Barry	Medeep	Male	Blonde	Brown	Average	Medium	Yes
Bea	Gone	Female	Blonde	Blue	Short	Small	No
Bill	Payer	Male	Blonde	Blue	Short	Small	Yes
Bob	Forapples	Male	Black	Blue	Tall	Large	Yes
Bob	Sledd	Male	Black	Green	Average	Large	Yes
Candy	Graham	Female	Brown	Green	Average	Small	No
Carrie	Meback	Female	Blonde	Blue	Tall	Small	Yes
Chris	Ko	Female	Black	Brown	Tall	Small	No
Cora	Gated	Female	Blonde	Blue	Short	Small	Yes
Dan	Druff	Male	Black	Green	Short	Large	No
Ethyl	Gass	Female	Black	Green	Average	Medium	Yes
Frank	Furter	Male	Red	Green	Average	Large	Yes
Harry	Knuckles	Male	Blonde	Blue	Short	Large	Yes
Jack	Enjill	Male	Blonde	Green	Short	Medium	Yes
Jay	Bird	Male	Brown	Brown	Average	Medium	Yes
Jerry	Mander	Male	Black	Brown	Tall	Small	Yes
Kelly	Green	Female	Red	Green	Tall	Small	Yes
Kitty	Litter	Female	Black	Brown	Short	Small	No
Mark	Papers	Male	Brown	Brown	Tall	Medium	No
Mary	Mee	Female	Brown	Brown	Average	Medium	Yes
Oscar	Award	Male	Blonde	Green	Average	Medium	Yes
Owen	Money	Male	Blonde	Blue	Short	Large	No
Patty	Cakes	Female	Brown	Brown	Short	Small	Yes
Patty	O'Furnature	Female	Red	Green	Short	Small	Yes
Paur	Bearer	Male	Red	Brown	Tall	Medium	No
Penny	Loafer	Female	Brown	Brown	Average	Medium	No
Peri	Winkle	Female	Red	Green	Tall	Small	No
Pete	Moss	Male	Brown	Brown	Short	Large	Yes
Phil	O'Dendron	Male	Black	Green	Tall	Medium	No
Rich	Relative	Male	Brown	Brown	Short	Small	No
Sherry	Wine	Female	Brown	Green	Short	Small	Yes
Starr	Lett	Female	Blonde	Blue	Tall	Small	No
Steve	Adore	Male	Blonde	Blue	Short	Small	No
Terry	Cloth	Female	Brown	Blue	Short	Large	Yes
Tim	Burr	Male	Black	Green	Tall	Large	No
Tom	Katt	Male	Red	Green	Tall	Large	Yes
Ty	Ping	Male	Brown	Brown	Short	Small	Yes
Val	Entine	Female	Red	Blue	Average	Medium	No

Once you have entered all of your data, save your table. Next, be sure you have added all of the town suspects courtesy of your fellow officers and neighborhood watch group.

#### Queries

A query is a way to get specific information from the database. Essentially, it's a question. You will now generate queries in order to determine the criminal.

**ACCESS—TABLES, FORMS and QUERIES**  
***Mystery Database***

## **Mystery 1**

It was a dark and stormy night. You had just gotten to sleep when the phone roused you back to the real world. At the other end was Chief Ketchem. The chief ordered you back to the station. A burglary had just been committed in Mrs. Rich's house and the chief knew that it would take your talents to solve the mystery.

When you arrived at Mrs. Rich's house, you began putting the clues together. Being a master of Microsoft Access, you decided to use the database to narrow your search for the criminal. You interviewed Mrs. Rich and her servants and found the following that you will create queries for in order to find the criminal quickly:

Mrs. Rich said, "The thief must have worn glasses. I found a bottle of lens cleaner near the safe."

The maid stated, "I found some brown hair on the windowsill where the thief entered. Does that help?"

The gardener asked, "Could it have been that short person I saw running toward the gate?"

"I'm sure it was a woman," piped in Jeeves the butler. "And I noticed she was short like the gardener said."

The cook added, "I'll never forget those cold green eyes! She was very scary."

1. With that, you took these clues back to the office where you opened your database that contained the lists of suspects. Click on the Create tab and the Query Wizard—Simple Query Wizard
2. Select/move all of the Available Fields to Selected Fields
3. Select the Detail query
4. Title "**LastNameFirstName\_Mystery 1**" and finish your query. This will show you all your information in Datasheet View (Note: all suspects appear as no parameters have been set yet)
5. Toggle to the Design View
6. Enter the search Criteria according to the statements given above and save.
7. Using this query, create a report and title it "**LastNameFirstName\_Mystery1**" and print.

**ACCESS—TABLES, FORMS and QUERIES**  
***Mystery Database***

## **Mystery Database: Case 2**

Shortly after you solved that case, another burglary case was called in. You were ordered by Chief Ketchum to return to the station.

A burglary had just been committed in Mrs. Elite's house, and the chief knew that you could solve this crime using the Microsoft Access database you created which contained a list of suspects. When you arrived at Mrs. Elite's house, you began putting the clues together. You interviewed Mrs. Elite and her servants and found the following:

1. Mrs. Elite said, "The thief must have been short. There was a chair under the wall safe with muddy footprints on it."
2. The maid stated, "I found some Blonde hair on the green rug where the thief entered. Does that help?"
3. The gardener asked, "Could it have been that large person I saw running toward the gate?"
4. "I'm sure it was a man," piped in Alfred the butler. "And I noticed he was large like the gardener said."
5. The cook added, "I'll never forget those cold blue eyes, but I only saw them briefly before he put on his glasses."

With that, you rose and excused yourself saying, "Thank you, you have all been very helpful. I'll go back to the station and check these clues against the list of suspects in the police files. I'm sure that I will solve this crime in no time."

For your second query name it "**LastNameFirstName\_Robbery Mystery 2**"

Check your database and determine who the thief is. Remember to print it and staple both reports together.

<b>First Name</b>	Jay
<b>Last Name</b>	Bird
<b>Sex</b>	Male
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Average
<b>Build</b>	Medium
<b>Glasses</b>	Yes

<b>First Name</b>	Oscar
<b>Last Name</b>	Award
<b>Sex</b>	Male
<b>Hair</b>	Blonde
<b>Eyes</b>	Green
<b>Height</b>	Average
<b>Build</b>	Medium
<b>Glasses</b>	Yes

<b>First Name</b>	Peri
<b>Last Name</b>	Winkle
<b>Sex</b>	Female
<b>Hair</b>	Red
<b>Eyes</b>	Green
<b>Height</b>	Tall
<b>Build</b>	Small
<b>Glasses</b>	No

<b>First Name</b>	Steve
<b>Last Name</b>	Adore
<b>Sex</b>	Male
<b>Hair</b>	Blonde
<b>Eyes</b>	Blue
<b>Height</b>	Short
<b>Build</b>	Small
<b>Glasses</b>	No

<b>First Name</b>	Jerry
<b>Last Name</b>	Mander
<b>Sex</b>	Male
<b>Hair</b>	Black
<b>Eyes</b>	Brown
<b>Height</b>	Tall
<b>Build</b>	Small
<b>Glasses</b>	Yes

<b>First Name</b>	Owen
<b>Last Name</b>	Money
<b>Sex</b>	Male
<b>Hair</b>	Blonde
<b>Eyes</b>	Blue
<b>Height</b>	Short
<b>Build</b>	Large
<b>Glasses</b>	No

<b>First Name</b>	Pete
<b>Last Name</b>	Moss
<b>Sex</b>	Male
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Short
<b>Build</b>	Large
<b>Glasses</b>	Yes

<b>First Name</b>	Terry
<b>Last Name</b>	Cloth
<b>Sex</b>	Female
<b>Hair</b>	Brown
<b>Eyes</b>	Blue
<b>Height</b>	Short
<b>Build</b>	Large
<b>Glasses</b>	Yes

<b>First Name</b>	Kelly
<b>Last Name</b>	Green
<b>Sex</b>	Female
<b>Hair</b>	Red
<b>Eyes</b>	Green
<b>Height</b>	Tall
<b>Build</b>	Small
<b>Glasses</b>	Yes

<b>First Name</b>	Patty
<b>Last Name</b>	Cakes
<b>Sex</b>	Female
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Short
<b>Build</b>	Small
<b>Glasses</b>	Yes

<b>First Name</b>	Phil
<b>Last Name</b>	O'Dendron
<b>Sex</b>	Male
<b>Hair</b>	Black
<b>Eyes</b>	Green
<b>Height</b>	Tall
<b>Build</b>	Medium
<b>Glasses</b>	No

<b>First Name</b>	Tim
<b>Last Name</b>	Burr
<b>Sex</b>	Male
<b>Hair</b>	Black
<b>Eyes</b>	Green
<b>Height</b>	Tall
<b>Build</b>	Large
<b>Glasses</b>	No

<b>First Name</b>	Kitty
<b>Last Name</b>	Litter
<b>Sex</b>	Female
<b>Hair</b>	Black
<b>Eyes</b>	Brown
<b>Height</b>	Short
<b>Build</b>	Small
<b>Glasses</b>	No

<b>First Name</b>	Patty
<b>Last Name</b>	O'Furnature
<b>Sex</b>	Female
<b>Hair</b>	Red
<b>Eyes</b>	Green
<b>Height</b>	Short
<b>Build</b>	Small
<b>Glasses</b>	Yes

<b>First Name</b>	Rich
<b>Last Name</b>	Relative
<b>Sex</b>	Male
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Short
<b>Build</b>	Small
<b>Glasses</b>	No

<b>First Name</b>	Tom
<b>Last Name</b>	Katt
<b>Sex</b>	Male
<b>Hair</b>	Red
<b>Eyes</b>	Green
<b>Height</b>	Tall
<b>Build</b>	Large
<b>Glasses</b>	Yes

<b>First Name</b>	Mark
<b>Last Name</b>	Papers
<b>Sex</b>	Male
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Tall
<b>Build</b>	Medium
<b>Glasses</b>	No

<b>First Name</b>	Paur
<b>Last Name</b>	Bearer
<b>Sex</b>	Male
<b>Hair</b>	Red
<b>Eyes</b>	Brown
<b>Height</b>	Tall
<b>Build</b>	Medium
<b>Glasses</b>	No

<b>First Name</b>	Sherry
<b>Last Name</b>	Wine
<b>Sex</b>	Female
<b>Hair</b>	Brown
<b>Eyes</b>	Green
<b>Height</b>	Short
<b>Build</b>	Small
<b>Glasses</b>	Yes

<b>First Name</b>	Ty
<b>Last Name</b>	Ping
<b>Sex</b>	Male
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Short
<b>Build</b>	Small
<b>Glasses</b>	Yes

<b>First Name</b>	Mary
<b>Last Name</b>	Mee
<b>Sex</b>	Female
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Average
<b>Build</b>	Medium
<b>Glasses</b>	Yes

<b>First Name</b>	Penny
<b>Last Name</b>	Loafer
<b>Sex</b>	Female
<b>Hair</b>	Brown
<b>Eyes</b>	Brown
<b>Height</b>	Average
<b>Build</b>	Medium
<b>Glasses</b>	No

<b>First Name</b>	Starr
<b>Last Name</b>	Lett
<b>Sex</b>	Female
<b>Hair</b>	Blonde
<b>Eyes</b>	Blue
<b>Height</b>	Tall
<b>Build</b>	Small
<b>Glasses</b>	No

<b>First Name</b>	Val
<b>Last Name</b>	Entine
<b>Sex</b>	Female
<b>Hair</b>	Red
<b>Eyes</b>	Blue
<b>Height</b>	Average
<b>Build</b>	Medium
<b>Glasses</b>	No

<b>First Name</b>	Jack
<b>Last Name</b>	Enjill
<b>Sex</b>	Male
<b>Hair</b>	Blonde
<b>Eyes</b>	Green
<b>Height</b>	Short
<b>Build</b>	Medium
<b>Glasses</b>	Yes