

This is a table that I created. Note that I used field size on all the fields:  
 idno is a number and I selected long integer  
 namez and city are both 35  
 state is 2 as shown below  
 yearBirth is 4  
 gender and marStatus are 1  
 income is double

Note that I used design view to do this.

Field Name	Data Type	Description (Optional)
idno	Number	
namez	Short Text	
city	Short Text	
state	Short Text	
yearBirth	Short Text	
gender	Short Text	
marStatus	Short Text	
income	Number	

Field Properties

Field Size	2
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None
Text Align	General

Property Sheet

Selection type: Table Properties

Read Only When Disconnected	No
Subdatasheet Expanded	No
Subdatasheet Height	37
Orientation	Left-to-Right
Description	
Default View	Datasheet
Validation Rule	
Validation Text	
Filter	
Order By	
Subdatasheet Name	(Auto)
Link Child Fields	
Link Master Fields	
Filter On Load	No
Order By On Load	Yes

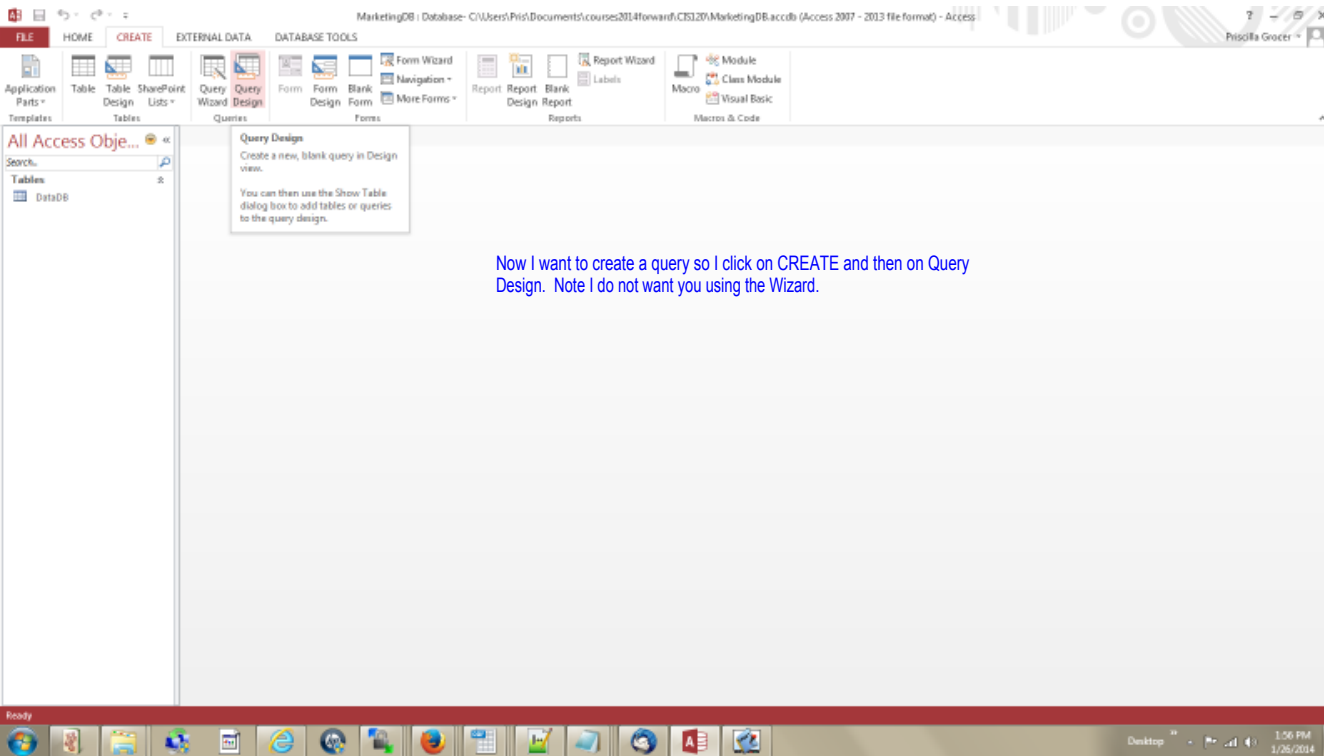
A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.

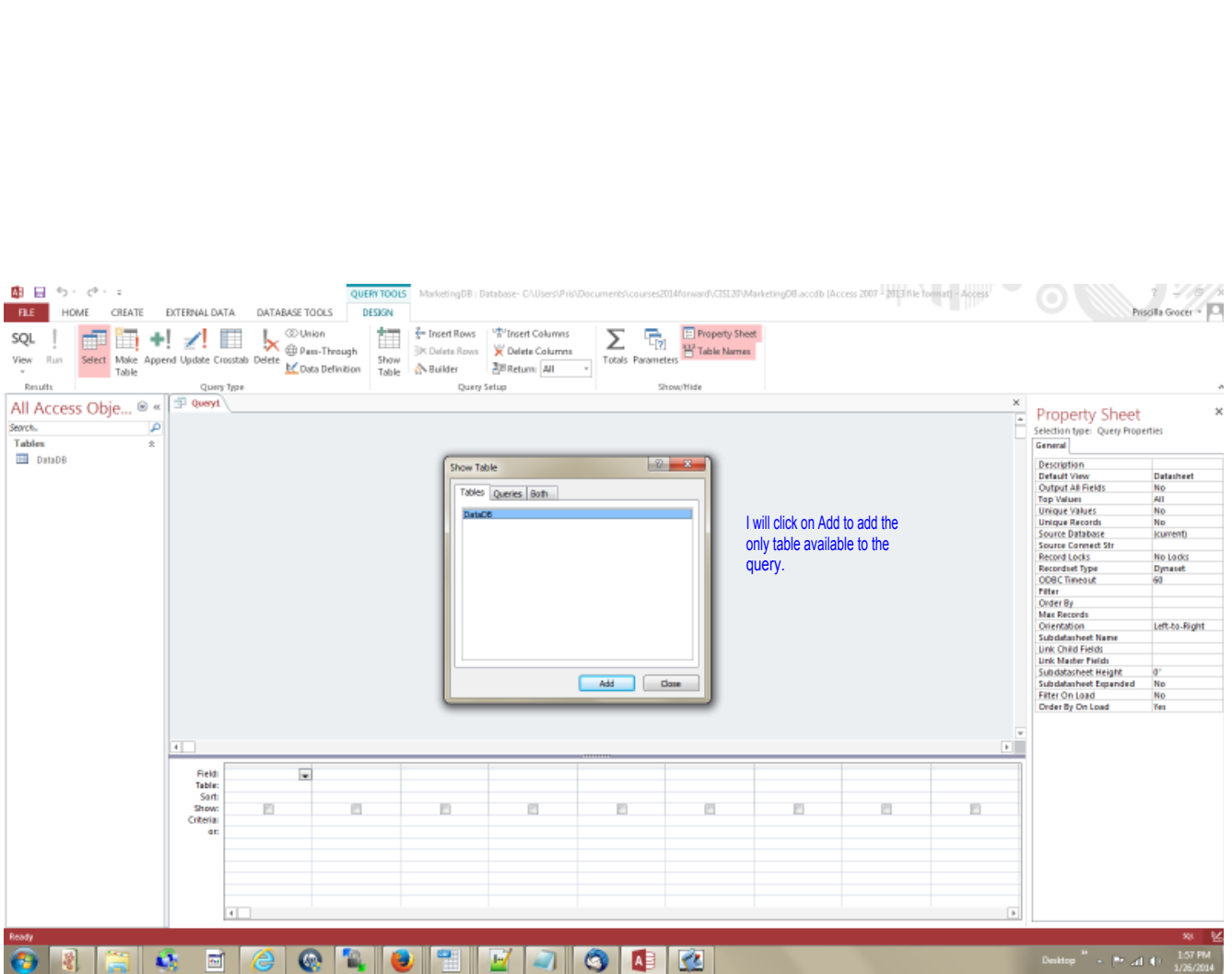
The screenshot shows the Microsoft Access interface with a table named 'DataDB' in 'Table Tools' view. The table has the following data:

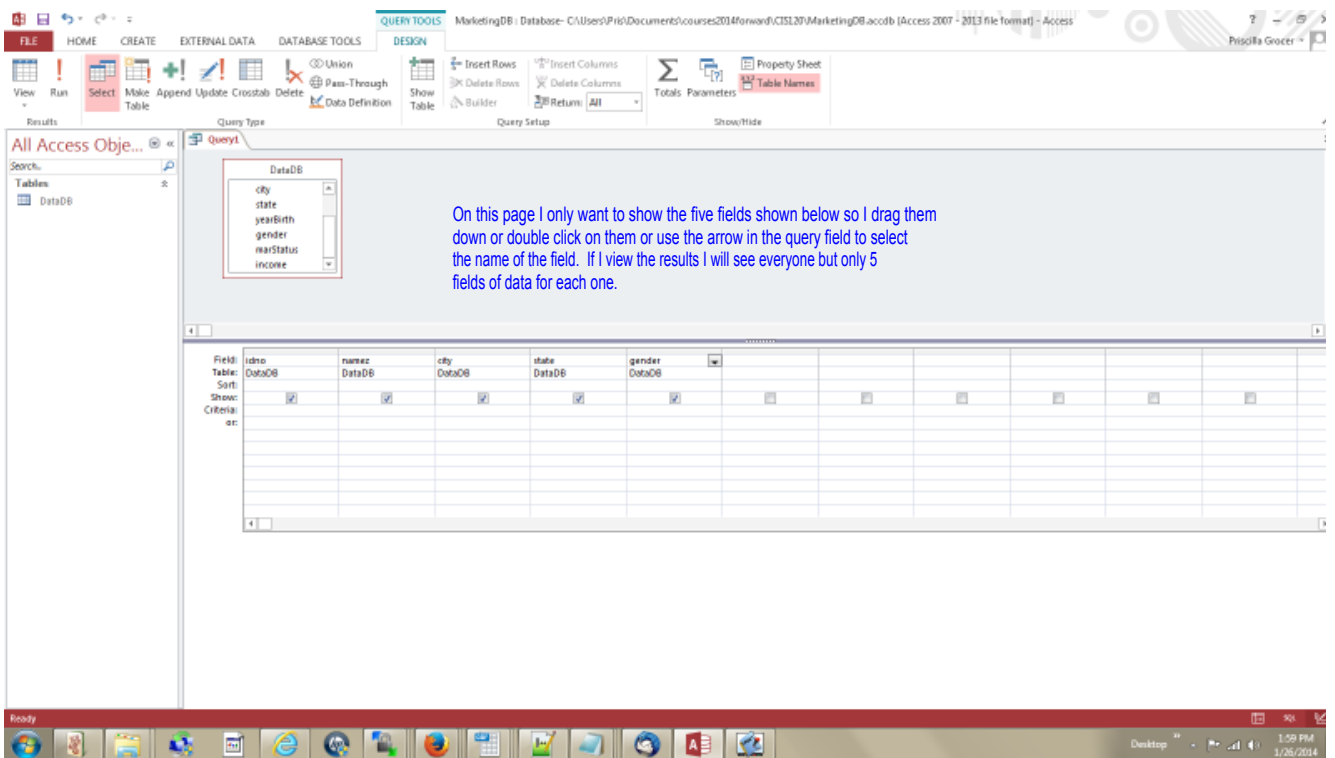
idno	namez	city	state	yearBirth	gender	marStatus	income	Click to Add
1111	Susan Ash	Braintree	MA	1975	F	M	75000	
11223	Robert Smith	Providence	RI	1972	M	D	65000	
12121	Linda French	Hingham	MA	1970	F	M	80000	
12345	David Costa	Westport	MA	1974	M	M	65000	
21212	Alica Reynolds	Seekonk	MA	1980	F	M	55000	
22222	John Andrews	Fall River	MA	1980	M	S	45000	
33333	Brian Souza	East Providenc	RI	1984	M	M	75000	
34567	Sophia Parker	Hingham	MA	1970	F	W	50000	
44444	Mary South	Providence	RI	1984	F	S	55000	
0							0	

Below the table, there is a blue text box with the following content:

Data I entered. Note that integer will not support anything past 32000 and something so I needed long integer for idno. I could have made it a text field instead and then I would have chosen 5.  
 Note that I defined yearBirth as text so it is aligned next to the left wall while the fields I defined as number have the data aligned to the right wall of the cell.







The screenshot shows the Microsoft Access interface with a query named 'Query1' displayed in Datasheet view. The table has the following data:

idno	namez	city	state	gender
11111	Susan Ash	Braintree	MA	F
11223	Robert Smith	Providence	RI	M
12121	Linda French	Hingham	MA	F
12345	David Costa	Westport	MA	M
21212	Alica Reynolds	Seekonk	MA	F
22222	John Andrews	Fall River	MA	M
33333	Brian Souza	East Providenc	RI	M
34567	Sophia Parker	Hingham	MA	F
44444	Mary South	Providence	RI	F

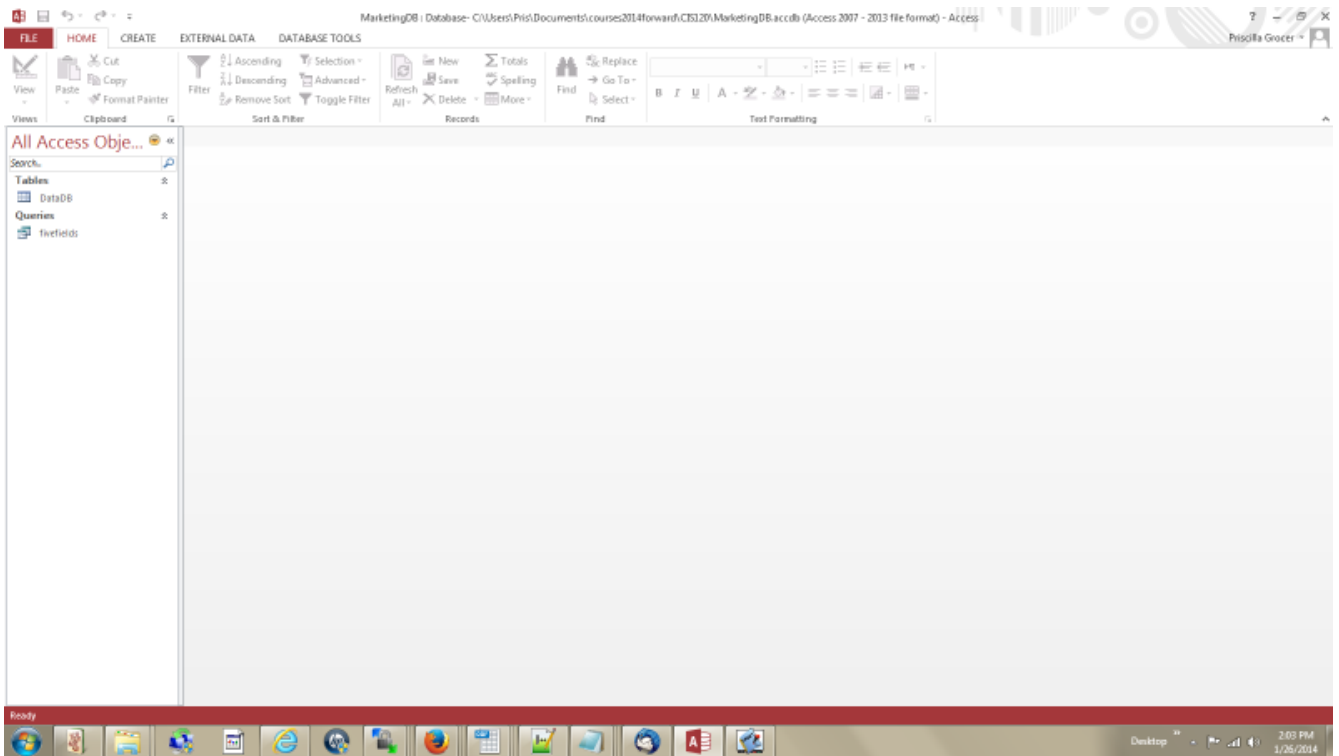
The screenshot shows the Microsoft Access interface. The main window displays a query named 'Query1' with the following data:

idno	name	city	state	gender
11111	Susan Ash	Braintree	MA	F
11213	Robert Smith	Providence	RI	M
12121	Linda French	Hingham	MA	F
12345	David Costa	Westport	MA	M
21212	Alicia Reynolds	Seekonk	MA	F
22222	John Andrews	Fall River	MA	M
33333	Brian Souza	East Providence	RI	M
34567	Sophia Parker	Hingham	MA	F
44444	Mary South	Providence	RI	F
0				

A 'Save As' dialog box is open in the foreground, with the 'Query Name' field containing 'fvefdd'. A pink dashed arrow points from the 'X' button in the top right corner of the query window to the 'Save As' dialog box.

To save I clicked on the X and then gave the query a name.

When I click OK, the query will be saved.





I did a query using the same five fields but this time I only want to see women so I put an F under the gender field on the Criteria line. Now only people with a gender code of F will appear in the list.

Field	idno	namez	city	state	gender				
Table:	DataDB	DataDB	DataDB	DataDB	DataDB				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Criteria:					F				
or:									

The screenshot shows the Microsoft Access interface with a query named 'Query1' displayed in Datasheet view. The query results are as follows:

idno	namez	city	state	gender
11111	Susan Ash	Braintree	MA	F
12121	Linda French	Hingham	MA	F
21212	Alica Reynolds	Seekonk	MA	F
34567	Sophia Parker	Hingham	MA	F
44444	Mary South	Providence	RI	F

The interface includes a ribbon with tabs for FILE, HOME, CREATE, EXTERNAL DATA, and DATABASE TOOLS. The left-hand pane shows a navigation tree with 'Tables' (Data08) and 'Queries' (fivefields). The status bar at the bottom indicates 'Record 1 of 5' and the system clock shows '2:06 PM 1/26/2014'.

This time I am using all the fields and I have added the criteria that I only want to see people born after 1975 who are married. Note that these criteria are in an AND relationship so they both are shown on the criteria line. 1975 was defined as text so it is in quotes. If I had defined it as a number I would not have quotes. I forgot the quotes and Access fixed it for me. Note also the >, no sign means equal.

Field:	idno	name	city	state	yearBirth	gender	marStatus	income			
Table:	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:					>=1975		M				

Now I want a list of women OR people making more than 50000. Since this is an OR relationship, I put one criteria on the criteria line and one criteria on the or line. I put F under gender on the criteria line and > 50000 under income on the or line.

Field:	idno	name	city	state	yearBirth	gender	marStatus	income			
Table:	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:						F		>50000			
or:											

The screenshot shows the Microsoft Access interface with a query named 'Query1' displayed in Datasheet view. The query results are as follows:

idno	namez	city	state	yearBirth	gender	marStatus	income
11111	Susan Ash	Braintree	MA	1975	F	M	75000
12121	Linda French	Hingham	MA	1970	F	M	80000
12345	David Costa	Westport	MA	1974	M	M	65000
21212	Alica Reynolds	Seekonk	MA	1980	F	M	55000
11223	Robert Smith	Providence	RI	1972	M	D	65000
33333	Brian Souza	East Providenc	RI	1984	M	M	75000
34567	Sophia Parker	Hingham	MA	1970	F	W	50000
44444	Mary South	Providence	RI	1984	F	S	55000
0							0

As you can see, all women are shown and the three that are shown with a gender of M all have income over 50000.

MarketingDB - Database - C:\Users\Pris\Documents\courses2014\forward\CS120\MarketingDB.accdb (Access 2007 - 2013 file format) - Access

QUERY TOOLS: DESIGN

Union, Pass-Through, Data Definition, Insert Rows, Insert Columns, Delete Rows, Delete Columns, Totals, Parameters, Table Names

Query Type: Query Setup

Query1

DataDB

city  
state  
yearBirth  
gender  
marStatus  
income

Here I want everyone I show to live in MA and in addition I want them to meet either of these criteria:  
 born after 1974  
 income > 60000  
 So I want state of MA AND either born after 1974 OR income > 60000.  
 Since the state has to be MA, it is on both the criteria line and the or line  
 so this reads as:  
 MA and born after 1974  
 OR  
 MA and income > 60000

Field:	idno	name	city	state	yearBirth	gender	marStatus	income				
Table:	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB	DataDB				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:				"MA"	>1974			>60000				
or:				"MA"								

2:22 PM 1/26/2014

MarketingDB | Database - C:\Users\Priv\Documents\courses2014\forward\CIS120\MarketingDB.accdb (Access 2007 - 2013 file format) - Access

idno	namez	city	state	yearBirth	gender	marStatus	income
1111	Susan Ash	Braintree	MA	1975	F	M	75000
12121	Linda French	Hingham	MA	1970	F	M	80000
12345	David Costa	Westport	MA	1974	M	M	65000
22222	John Andrews	Fall River	MA	1980	M	S	45000
21212	Alica Reynolds	Seekonk	MA	1980	F	M	55000
0							0

Note that everyone has state MA

The second and third people listed were not born after 1974 so their income has to be above 60000.  
 The fourth and fifth people listed do not have an income > 60000 so they have to have been born after 1974.  
 The first one meets both criteria which is fine. The person was born after 1974 and makes > 60000.

The screenshot shows the Microsoft Access Query Design view for a query named 'Query1'. The design grid is as follows:

Field	table	name	city	state	yearBirth	gender	marStatus	income			
idno	DataDB										
name	DataDB										
city	DataDB										
state	DataDB			MA							
yearBirth	DataDB				> 1974						
gender	DataDB										
marStatus	DataDB										
income	DataDB							> 60000			

Handwritten blue text in the design view reads: "Here I only put MA on the criteria line so this is interpreted as: state MA and yearBirth > 1974 OR income > 60000".



MarketingDB | Database - C:\Users\Pris\Documents\courses\2014\forward\CSI201\MarketingDB.accdb (Access 2007 - 2013 file format) - Access

FILE HOME CREATE EXTERNAL DATA DATABASE TOOLS

Filter Ascending Selection  
Descending Advanced  
Remove Sort Toggle Filter  
Refresh All Delete More  
New Save Spelling  
Totals Replace  
Go To Select

Calibri (Detail) 11

Views Access Obj... Query1

idno	namez	city	state	yearBirth	gender	marStatus	income
1111	Susan Ash	Braintree	MA	1975	F	M	75000
12121	Linda French	Hingham	MA	1970	F	M	80000
12345	David Costa	Westport	MA	1974	M	M	65000
22222	John Andrews	Fall River	MA	1980	M	S	45000
21212	Alica Reynolds	Seekonk	MA	1980	F	M	55000
11223	Robert Smith	Providence	RI	1972	M	D	65000
33333	Brian Souza	East Providenc	RI	1984	M	M	75000
0							0

Record: 8 of 7

Ready Desktop 2:30 PM 1/26/2014

The last two made the list even though they were in RI because they had income > 60000.

The screenshot shows the Microsoft Access interface. The title bar reads "MarketingDB | Database - C:\Users\Pris\Documents\courses2014\forward\CS120\MarketingDB.accdb (Access 2007 - 2013 file format) - Access". The ribbon includes FILE, HOME, CREATE, EXTERNAL DATA, and DATABASE TOOLS. The main window displays a query named "Query1" with the following data:

idno	namez	city	state	yearBirth	gender	marStatus	income
2121	Alicia Reynolds	Sookank	MA	1980	F	M	55000
3333	Brian Souza	East Providenc	RI	1984	M	M	75000
0							0

Below the table, a blue text annotation reads: "Note that only two people met my criteria." The status bar at the bottom indicates "Record: M | 1 of 2" and "No Filter". The Windows taskbar at the bottom shows the system tray with the date and time: "2:11 PM 1/26/2014".