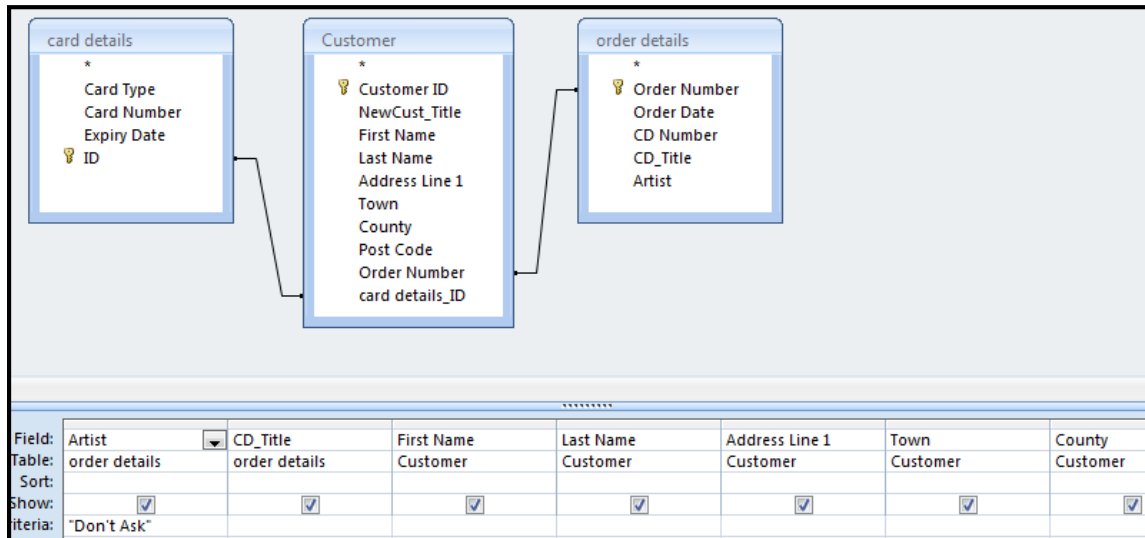


Queries

In this section, I plan to do different types of queries to analyze the data in the database.

1. Sorting the customer records based on an artist. In this case, I have filtered it for the artist “Don’t Ask”.

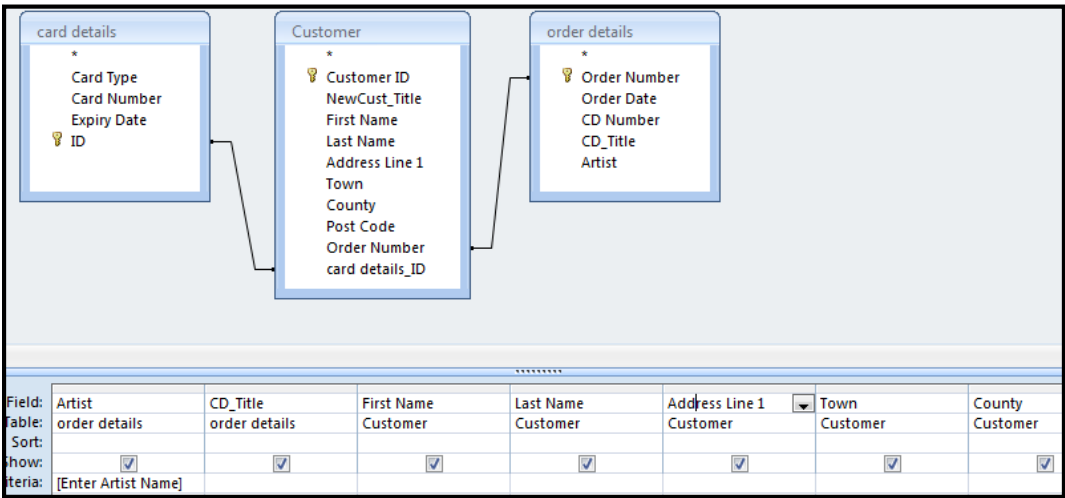
I did this by specifying the criteria as “Don’t Ask”.



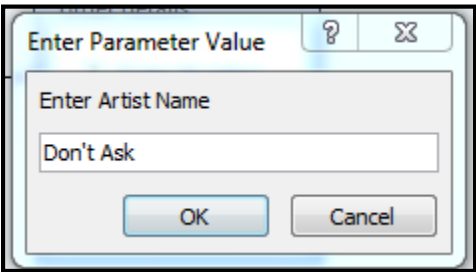
Here is the datasheet view:

Artist	CD_Title	First Name	Last Name	Address Line	Town	County
Don't Ask	Questions and Answers	Alan	Kennedy	37 Firmont Rd	Luston	Northumberland
Don't Ask	Questions and Answers	Alan	Moore	65 Westfield St	Lingham	Nottinghamshire
Don't Ask	Questions and Answers	Andrew	Nicholls	70 Caesars Close	Lowmoor	Somerset
Don't Ask	Questions and Answers	Andrew	Trinder	69 Kestral Park	Marchington	Middlesex
Don't Ask	Questions and Answers	Angela	Moses	14 Corbett Grove	Doverwick	Hampshire
Don't Ask	Questions and Answers	Annie	Yarnold	20 Moor Street	Willesden Moor	Yorkshire
Don't Ask	Questions and Answers	Barry	Farmer	2 Butler Close	Lookham	Lancashire
Don't Ask	Questions and Answers	Bernadette	Ormerod	91 Acacia Rd	Drenby	Cornwall
Don't Ask	Questions and Answers	Bernadette	Yates	77 Firethorn Close	Southwold	Lincolnshire
Don't Ask	Questions and Answers	Brenda	Brian	6 Hurst Rd	Wolvington	Cornwall
Don't Ask	Questions and Answers	Brian	Keane	95 Haydn Rd	Lookham	Surrey
Don't Ask	Questions and Answers	Brian	Kennedy	41 Fortrose Ave	Porthale	Lincolnshire
Don't Ask	Questions and Answers	Brian	Newsom	37 Caswell Bank	Lowmoor	Kent
Don't Ask	Questions and Answers	Brian	Unwin	29 Gower Close	Cranmouth	Gloestershire
Don't Ask	Questions and Answers	Briony	Inman	53 Combe Close	Cranmouth	Cheshire
Don't Ask	Questions and Answers	Briony	Kendal	62 Ruskin Street	Twydale	Worcestershire
Don't Ask	Questions and Answers	Briony	Osborne	98 Brookly Close	Borham	Yorkshire
Don't Ask	Questions and Answers	Claire	Heseltine	68 Pippins Close	Canterford	East Anglia
Don't Ask	Questions and Answers	Clive	Jeffreys	27 Butler Close	Milton Redbridge	Cambridgeshire
Don't Ask	Questions and Answers	Colin	Daniel	90 Haydn Close	Lunsly	Somerset
Don't Ask	Questions and Answers	Colin	Neaves	28 Tongham Drive	Little Tonkton	Nottinghamshire
Don't Ask	Questions and Answers	Collette	Rayner	66 Westburn Bank	Porham	Hertfordshire
Don't Ask	Questions and Answers	Collette	Starling	82 Mychett Drive	Marchington	Cambridgeshire
Don't Ask	Questions and Answers	Collette	Tomlinson	87 Lancer Close	Marston	Kent
Don't Ask	Questions and Answers	Craig	Diver	14 Barnes Dell	Borham	Nottinghamshire

2. Sorting the customer records based on an artist that is input by the user. I used a parameter query for this as the user has to enter a value. I did this by entering a message within square brackets to display as a prompt. The value entered is specified as the criteria for the query to get appropriate values.



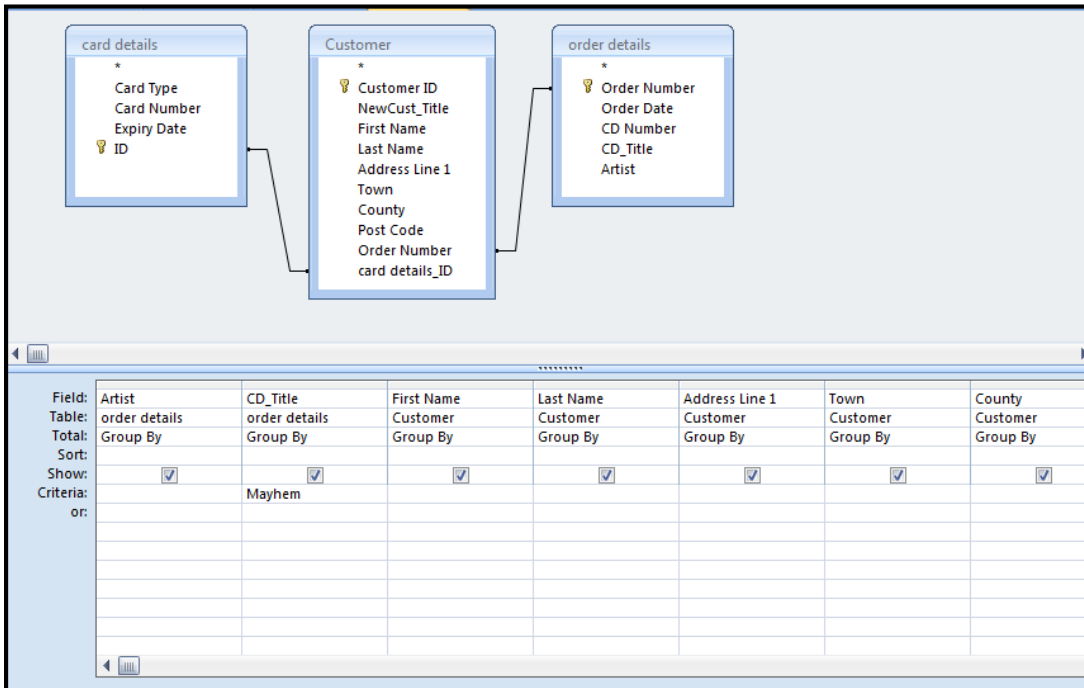
The prompt message:



The query results:

Artist	CD_Title	First Name	Last Name	Address Line 1	Town	County
Don't Ask	Questions and Answers	Alan	Kennedy	37 Firmont Rd	Luston	Northumberland
Don't Ask	Questions and Answers	Angela	Moses	14 Corbett Grove	Doverwick	Hampshire
Don't Ask	Questions and Answers	Alan	Moore	65 Westfield Street	Lingham	Nottinghamshire
Don't Ask	Questions and Answers	Andrew	Nicholls	70 Caesars Close	Lowmoor	Somerset
Don't Ask	Questions and Answers	Andrew	Trinder	69 Kestral Park	Marchington	Middlesex
Don't Ask	Questions and Answers	Annie	Yarnold	20 Moor Street	Willesden Moor	Yorkshire
Don't Ask	Questions and Answers	Brenda	Brian	6 Hurst Rd	Wolvington	Cornwall
Don't Ask	Questions and Answers	Barry	Farmer	2 Butler Close	Lookham	Lancashire
Don't Ask	Questions and Answers	Briony	Inman	53 Combe Close	Cranmouth	Cheshire
Don't Ask	Questions and Answers	Brian	Kennedy	41 Fortrose Ave	Porthale	Lincolnshire
Don't Ask	Questions and Answers	Briony	Kendal	62 Ruskin Street	Twydale	Worcestershire
Don't Ask	Questions and Answers	Brian	Keane	95 Haydn Rd	Lookham	Surrey
Don't Ask	Questions and Answers	Brian	Newsom	37 Caswell Bank	Lowmoor	Kent
Don't Ask	Questions and Answers	Bernadette	Ormerod	91 Acacia Rd	Drenby	Cornwall
Don't Ask	Questions and Answers	Briony	Osborne	98 Brookly Close	Borham	Yorkshire
Don't Ask	Questions and Answers	Brian	Unwin	29 Gower Close	Cranmouth	Glostershire
Don't Ask	Questions and Answers	Bernadette	Yates	77 Firethorn Close	Southwold	Lincolnshire
Don't Ask	Questions and Answers	Colin	Daniel	90 Haydn Close	Lunsly	Somerset
Don't Ask	Questions and Answers	Craig	Diver	14 Barnes Dell	Borham	Nottinghamshire

- Showing the customer records for a specific CD. This is a straightforward query that shows the customer details of those who purchased the 'Mayhem' CD



The query results:

Artist	CD Title	First Name	Last Name	Address Line 1	Town	County
Armageddon	Mayhem	Angela	Rideout	52 London Park	Kings Manor	Yorkshire
Armageddon	Mayhem	Ann	Kennedy	44 Fortrose Grove	Willesden Moc	Northampton
Armageddon	Mayhem	Annie	Eggleton	45 Furze Park	Willesden Moc	Hampshire
Armageddon	Mayhem	Annie	Renne	8 Farnham Rd	Bailmoor	Lancashire
Armageddon	Mayhem	Barry	Izzard	13 Woods Close	Lanchester	Hampshire
Armageddon	Mayhem	Barry	Kendal	1 Shipley Close	Lowmoor	Worcestershire
Armageddon	Mayhem	Bernard	Orme	84 Southport Park	Lawnswood	Oxfordshire
Armageddon	Mayhem	Bernard	Yateman	33 Newport Park	Camberwell	Essex
Armageddon	Mayhem	Brenda	Coverdale	30 Cichester Street	Cutteringham	Dorset
Armageddon	Mayhem	Brenda	Nicholls	4 Firethorn Dell	Crayford	Lancashire
Armageddon	Mayhem	Clive	Galbraith	86 Fortrose Close	Cranmouth	Dorset
Armageddon	Mayhem	Colin	Tomlinson	72 Lawnswood Close	Willesden Moc	Northampton
Armageddon	Mayhem	Colin	Vetch	40 Connaught Street	Lugeby	Bedfordshire
Armageddon	Mayhem	David	Duval	49 Southport Bank	Corben	Norfolk
Armageddon	Mayhem	Deidre	Finnegan	68 Queens Close	Bingham	Worcestershire
Armageddon	Mayhem	Desmond	Cox	14 Caesars Dell	Trumpton	Cambridgeshir
Armageddon	Mayhem	Dorothy	Lacey	15 Firethorn Bank	Lonham	Warwickshire
Armageddon	Mayhem	Dorothy	Nice	64 Coronation Dell	Tringford	Hertfordshire
Armageddon	Mayhem	Edward	Eastwood	63 Jubilee Rd	Marsham	Leicestershire
Armageddon	Mayhem	Elizabeth	Heatley	72 Brookly Bank	Elfpool	Derbyshire
Armageddon	Mayhem	Elizabeth	Keane	36 Westfield Bank	Stonebridge	Cornwall
Armageddon	Mayhem	Elouise	Neil	27 Caesars Park	Mansham	Northumberland
Armageddon	Mayhem	Francesca	Eldridge	44 Connaught Close	Cranmouth	Devon
Armageddon	Mayhem	Gareth	Renne	12 Queens Rd	Garside	Cheshire
Armageddon	Mayhem	Gary	Cox	62 Denton Grove	Kirkham	Gloestershire

- This query searches for all orders on a specific date. This is done by entering the specific date as the criteria. The software encloses it in hash tags automatically.

The screenshot shows a database query interface with three tables: card details, Customer, and order details. The query criteria field contains the date #7/14/2005#.

Field:	Artist	CD_Title	First Name	Last Name	Address Line 1	Town	Order Date
Table:	order details	order details	Customer	Customer	Customer	Customer	order details
Total:	Group By	Group By	Group By	Group By	Group By	Group By	Group By
Sort:							
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"/>
Criteria:							#7/14/2005#

Artist	CD_Title	First Name	Last Name	Address Line	Town	Order Date
Astro Trooper	Younger than I used to be	Terence	Sellers	23 Newport Gr	Cuttingham	7/14/05
Black Knight	Agincourt	Fred	Langan	50 Hill Close	Trumpton	7/14/05
Blazing T'zun	Don't Believe what you S	Deidre	Petheridge	36 Pinehurst Cl	Lingford	7/14/05
Blazing T'zun	Don't Believe what you S	Olivia	Harrison	49 Hill Dell	Fenston	7/14/05
Blazing T'zun	Don't Believe what you S	Rosamund	Deynes	27 Barnes Dell	Stonebridge	7/14/05
Diablo	Devils Dance	Collette	Webb	56 Westbrook I	Kings Manor	7/14/05
Don't Ask	Questions and Answers	Vincent	Lane	9 Gower Park	Langley	7/14/05
Dresden	Far Gone	Terry	Lockheed	53 Goose Dell	Stambridge	7/14/05
Major League	American Garbage	Alex	Barkham	24 Peabody Rd	Oakridge	7/14/05
September Lea	First Lady	Toby	Heseltine	70 Avely Grove	Trowmoor	7/14/05

- This query lists all orders placed by using a specific type of card entered by the user to buy a particular CD. I made use of the parameter query again combined with criteria- in this case the 'Devils Dance'. Therefore this query makes use of two criteria

The screenshot shows a database query interface with three tables: card details, Customer, and order details. The query criteria field contains the text 'Devils Dance' and '[enter a card type]'.

Field:	Artist	CD_Title	First Name	Last Name	Address Line 1	Town	Card Type	Order Date
Table:	order details	order details	Customer	Customer	Customer	Customer	card details	order details
Sort:								
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"/>
Criteria:		"Devils Dance"					[enter a card type]	

Enter Parameter Value

enter a card type

OK Cancel

Enter Parameter Value

enter a card type

Francard

OK Cancel

Results:

Artist	CD_Title	First Name	Last Name	Address Line 1	Town	Card Type	Order Date
Diablo	Devils Dance	Dorothy	Lauder	26 Southport Grove	Mansham	Francard	5/28/2005
Diablo	Devils Dance	Tracy	Winston	49 Bliss Close	Bingham	Francard	5/5/2005
Diablo	Devils Dance	Elaine	Waldon	80 Caves Ave	Ashbridge	Francard	5/14/2005
Diablo	Devils Dance	Bernadette	Sellers	65 Combe Close	Torkston	Francard	7/18/2005
Diablo	Devils Dance	Jonathon	Keane	55 Butler Bank	Doverwick	Francard	5/21/2005
Diablo	Devils Dance	Fiona	Abbott	54 Winchester Rd	Langley	Francard	9/12/2005
Diablo	Devils Dance	Brian	Ohara	80 Wellington Grove	Westeringham	Francard	5/7/2005
Diablo	Devils Dance	Brenda	Newsom	3 Mayfield Street	Cranmouth	Francard	6/13/2005
Diablo	Devils Dance	Mary	Wells	46 Strathclyde Rd	Basingham	Francard	8/5/2005
Diablo	Devils Dance	Kay	Langan	61 Netherhouse Rd	Garside	Francard	4/21/2005
Diablo	Devils Dance	Teresa	Enderby	16 Butler Grove	Lawnswood	Francard	9/16/2005
Diablo	Devils Dance	Vernon	Gardner	22 Badger Park	Lookham	Francard	5/3/2005
Diablo	Devils Dance	Trevor	Finch	19 Chaucer Close	Little Tonkton	Francard	4/23/2005
Diablo	Devils Dance	Rosalind	Farmer	12 Jubilee Bank	Griston	Francard	7/27/2005
Diablo	Devils Dance	Clive	Peart	74 Wellington Park	Tameford	Francard	5/21/2005
Diablo	Devils Dance	Alex	Reid	84 Caesars Park	Basingham	Francard	7/24/2005
Diablo	Devils Dance	Margaret	Older	83 Barnes Street	Porham	Francard	4/29/2005
Diablo	Devils Dance	Harold	Eastwood	68 Oxford Ave	Rother	Francard	6/5/2005
Diablo	Devils Dance	Gareth	Finnegan	57 Brookly Close	Loddon Wells	Francard	7/20/2005
Diablo	Devils Dance	Iain	Lang	78 Peabody Rd	Marsham	Francard	9/30/2005

6. This query calculates the total number of orders for all artists. I used the count function for this purpose.

card details

*
Card Type
Card Number
Expiry Date
ID

Customer

*
Customer ID
NewCust_Title
First Name
Last Name
Address Line 1
Town
County
Post Code
Order Number
card details_ID

order details

*
Order Number
Order Date
CD Number
CD_Title
Artist

Field:	Artist	CD_Title	Order Number		
Table:	order details	order details	order details		
Total:	Group By	Group By	Count		
Sort:					
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:					
or:					

Artist	CD_Title	CountOfOrder Number
Armageddon	Mayhem	86
Astro Trooper	Younger than I used to be	207
Black Knight	Agincourt	201
Blazing T'zun	Apollo 13	118
Blazing T'zun	Don't Believe what you S	461
Deliverance	Matthew, Mark, Luke and	192
Diablo	Devils Dance	257
Digital Diamond	Sparkle	69
Dominoe	Happy Train	192
Don't Ask	Questions and Answers	129
Dresden	Far Gone	175
Gorgon	Turned to Rock	75
Hot Kwizine	Give me the Music	82
Larry P	More Stuff	179
Lime Light	15 minutes of Fame	296
Lime Light	Hopeless Opus	46
Major League	American Garbage	344
Mellow Yellow	Armadillo Nights	100
Mindless	Mindless Songs	121
Purple Moon	Dream On	92
Sekond Site	Hiding behind the Future	257
September Lea	First Lady	374
Slyde Show	Not Nearly Enough	262
The Wolf Gang	Dinner	208
The Wolf Gang	Your Move	105