

1. One Table

```
mysql> select * from cart_attendant;
```

Employee_ID	name_attendant	retrieval_rate
249	Chloe Dickson	6
8944	Karen Long	7
10122	Ronald Washington	6
11440	Elizabeth Garcia	0
14754	Eric Nelson	7
15803	Sandra Morris	7
18129	Kelly Matthews DDS	2
18881	Jeffrey Smith	0
20533	Adrian Kennedy	4
21430	Michael Coleman	8
29050	Paul Richards MD	3
29841	Mrs. Stacy Hicks DVM	3
32114	Francisco Lee	9
38116	Kristen Franklin	3
39283	Susan Peterson	3
40125	Sandra Chang	0
42111	Andrew Smith	0
44110	Mrs. Michelle Morris MD	7
45316	Elizabeth Butler	5
46613	Howard Johnson	8
49163	Kevin Bean	3
52226	Janet King	9
55740	Alyssa Taylor	4
55835	Nicholas Nichols	7
61038	Douglas Taylor	7
64302	Christina Davis	7
65946	Micheal Harrell	0
67837	Dr. Kathleen Newton DVM	0
69375	Joseph Miller	1
69610	Cindy Conley	4
70752	Adam Anderson	2
72804	April Goodman	3
75889	James Brown	1
78624	Jason Ingram	6
79008	Alexander Doyle	5
81014	Aaron Barnett	6

	81089	Zachary James		9	
	81257	Jennifer Taylor		8	
	83428	Jessica Boone		1	
	84885	Timothy Clark		5	
	88739	Connie Crawford		5	
	88952	Pamela Willis		0	
	89568	Curtis Johnson		4	
	97664	Erin Freeman		0	
	98267	Andrew Carter		6	
	98304	Sarah Evans		5	
	98390	Amanda Gallagher		5	
	98610	Stephanie Juarez		6	
	98659	Kara Patel		1	
	99935	Justin Barton		8	

```
+-----+-----+-----+-----+
```

50 rows in set (0.00 sec)

2. 2 Or More Tables

```
mysql> SELECT items.name_item, food.expiration_date
      -> FROM items, food
      -> WHERE items.barcode_number = food.barcode_number;
```

name_item	expiration_date
Onion	2024-02-14
Black Beans	2024-03-10
Duck	2024-02-12
Cucumbers	2024-02-12
Shrimp	2024-02-14
Bean Sprouts	2024-01-04
Calamari	2024-03-15
Filet Mignon	2024-01-19
Steak	2024-02-08
Chicken	2024-03-08
Chicken	2024-03-20
Cheddar Cheese	2024-01-24
Strawberries	2024-01-06
Blackberries	2024-02-12
Blueberries	2024-01-10
Kiwis	2024-03-12
Mussels	2024-04-10

Oranges	2024-04-05	
Apples	2024-01-31	
Limes	2024-02-14	
Lemon	2024-01-14	
Muffins	2024-02-10	
Cookies	2024-03-04	
Chips	2024-02-21	
Broccoli	2024-04-03	
Chips	2024-01-05	
Chips	2024-04-05	
Cookies	2024-03-13	
Crackers	2024-02-27	
Cheese	2024-03-15	
Cheese	2024-03-06	
Cherries	2024-01-09	
Crawfish	2024-04-05	
Olives	2024-02-19	
Asparagus	2024-04-01	
Rice	2024-02-01	
Tomatoes	2024-02-23	
Carrots	2024-03-01	
Onions	2024-01-13	
Lettuce	2024-01-05	
Cabbages	2024-02-16	
Broccoli	2024-03-12	
Carrots	2024-02-08	
Beets	2024-04-09	
Onions	2024-01-07	
Steak	2024-01-23	
Chicken	2024-02-21	
Steak	2024-03-06	
Chicken	2024-02-02	
Filet Mignon	2024-01-25	
Shrimp	2024-03-02	
Shrimp	2024-04-06	
Broccoli	2024-02-18	
Salmon	2024-04-01	
Apples	2024-01-08	
Tuna	2024-03-24	
Tuna	2024-03-31	
Salmon	2024-04-09	

Chips	2024-03-22	
Potatoes	2024-02-04	
Cookies	2024-04-15	
Crackers	2024-01-02	
Peas	2024-03-08	
Watermelon	2024-03-11	
Strawberries	2024-04-14	
Bread	2024-04-04	
Bread	2024-02-09	
Bread	2024-01-16	
Zucchini	2024-03-15	
Zucchini	2024-03-08	
Lobster	2024-03-01	
Eggs	2024-03-21	
Eggs	2024-04-08	
Watermelon	2024-01-29	
Steak	2024-04-02	
Marshmallows	2024-01-15	
Clams	2024-01-15	
Mussels	2024-02-07	
Salmon	2024-02-17	
Chicken	2024-03-08	
Lobster	2024-01-19	
Apples	2024-01-10	
Ham	2024-03-21	
Pork	2024-04-14	
Ham	2024-01-07	
Pork	2024-04-14	
Tomatoes	2024-02-11	
Avocados	2024-04-10	
Mushrooms	2024-01-09	
Salmon	2024-02-25	
Cake	2024-03-23	
Chicken	2024-01-30	
Mushrooms	2024-01-25	
Chicken	2024-02-17	
Eggs	2024-03-18	
Squid	2024-04-03	
Chicken	2024-03-26	
Granola Bars	2024-03-28	
Butter	2024-04-03	

Mushrooms	2024-02-22	
Salmon	2024-04-06	
Granola Bars	2024-01-21	
Yogurt	2024-02-01	
Eggs	2024-02-26	
Cereal	2024-01-12	
Oranges	2024-02-12	
Yogurt	2024-01-21	
Rice	2024-03-09	
Milk	2024-02-10	
Juice	2024-03-18	
Eggs	2024-03-10	
Tofu	2024-01-30	
Granola Bars	2024-01-16	
Pasta	2024-04-02	
Mushrooms	2024-01-19	
Canned Beans	2024-03-16	
Eggs	2024-04-08	
Juice	2024-02-15	
Corn	2024-01-28	
Mushrooms	2024-02-27	
Chicken	2024-02-08	
Tomatoes	2024-03-16	
Juice	2024-03-14	
Cake	2024-03-09	
Lettuce	2024-03-13	
Coconut	2024-03-16	
Milk	2024-02-04	
Chicken	2024-03-26	
Bread	2024-02-10	
Milk	2024-03-19	
Bagels	2024-02-23	
Mushrooms	2024-01-21	
Carrots	2024-02-04	
Bread	2024-01-26	
Sausages	2024-01-09	
Cake	2024-03-04	
Eggs	2024-01-06	
Ice Cream	2024-02-16	
Ice Cream	2024-01-06	
Mushrooms	2024-02-01	

Bell Peppers	2024-03-06	
Waffles	2024-01-19	
Chips	2024-01-28	
Popcorn	2024-02-27	
Beets	2024-01-03	
Cake	2024-03-01	
Brownies	2024-03-08	
Bacon	2024-04-12	
Pie	2024-02-17	
Chocolate	2024-03-11	
Cake	2024-04-04	
Eggs	2024-03-16	
Cake	2024-03-23	
Pickles	2024-02-14	
Salsa	2024-03-22	
Mushrooms	2024-01-18	
Tortilla	2024-02-02	
Figs	2024-02-20	
Mushrooms	2024-03-10	
Quinoa	2024-01-28	
Figs	2024-03-17	
Rice	2024-02-17	
Dried Fruits	2024-03-23	
Squash	2024-03-26	
Nuts	2024-01-15	
Bananas	2024-04-13	
Milk	2024-01-01	
Juice	2024-03-23	
Mushrooms	2024-03-06	
Coffee	2024-01-12	
Coffee	2024-02-23	
Mushrooms	2024-02-14	
Granola Bars	2024-01-08	
Candy	2024-04-08	
Candy	2024-02-22	
Waffles	2024-02-18	
Bread	2024-01-18	
Chocolate	2024-03-14	
Marshmallows	2024-04-04	
Mushrooms	2024-03-07	
Ice Cream	2024-01-18	

Wine	2024-03-27	
Beet	2024-01-29	
Juice	2024-03-06	
Mushrooms	2024-03-15	
Milk	2024-02-09	
Wine	2024-03-30	
Juice	2024-03-20	
Figs	2024-01-23	
Coffee	2024-02-24	
Salmon	2024-03-29	
Chicken	2024-04-09	
Steak	2024-02-17	
Lobster	2024-02-13	
Bell Peppers	2024-03-24	
Bread	2024-03-03	
Bacon	2024-04-05	
Mushrooms	2024-03-21	
Ham	2024-02-25	
Pork	2024-02-17	

+-----+

200 rows in set (0.00 sec)

3. Aggregate Function

mysql> SELECT COUNT(barcode_number)

-> FROM items

-> WHERE price > 20

-> GROUP BY FK_Mem_ID;

+-----+

COUNT(barcode_number)

+-----+

	1	
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	1	
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	3	
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	3	
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	1	
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	2	
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	4	
--	---	--

	1	
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	2	
--	---	--

	3	
--	---	--

	2	
--	---	--

1	1	1
2	3	1
3	1	1
4	1	1
5	4	1
6	1	1
7	1	1
8	3	2
9	2	1
10	1	1
11	2	1
12	1	3
13	3	2
14	2	3
15	1	1
16	2	2
17	2	1
18	2	2
19	2	1
20	2	2
21	1	2
22	2	2
23	2	2
24	2	2
25	1	3
26	5	4
27	4	1
28	1	1
29	2	2
30	2	2

1	1	1
2	1	2
1	1	1
2	2	3
5	2	5
2	1	2
1	1	1
4	4	1
3	3	1
1	1	1
1	1	1
2	2	1
1	1	1
1	1	1
1	1	1
1	1	1
3	1	3
1	1	1
2	1	1
1	1	1
3	3	3
3	3	3
4	1	4
1	2	1
1	1	1
3	3	3
2	2	2
2	2	2

	1	
	2	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	1	
	2	
	3	
	2	
	1	
	1	
	2	
	2	
	3	

+-----+
155 rows in set (0.00 sec)

4. Join

```
mysql> SELECT receipt.receipt_number, customer.name_customer
-> FROM receipt
-> INNER JOIN customer ON receipt.FK_Mem_ID =
customer.Membership_ID;
```

receipt_number	name_customer
42964	Cathy Foster
56239	Kimberly Meyers
87829	Joseph Henderson
27897	James Gardner
23685	Jennifer Smith
4980	Mark Mckay
51354	Mark Mckay
10018	Antonio Richardson
99957	Natalie Castaneda

	35007		Jamie Weiss	
	14391		Ryan Rodriguez	
	67766		Gregory James	
	71107		Laura Wu	
	86444		Laura Wu	
	5904		Casey Murphy	
	83967		Rachel Martinez	
	55978		Sharon Taylor	
	2838		Philip Davenport	
	84025		Autumn Pope	
	72146		Nathan Green	
	3989		Thomas Watkins	
	54947		Thomas Watkins	
	6789		Robert Jones	
	84401		Robert Jones	
	39526		Allison Henderson	
	40377		Allison Henderson	
	48780		Connie Clark	
	36413		Joshua Carter	
	79552		Tammie Whitaker	
	15787		Wendy Davis	
	7938		Janet Lynch	
	28360		Brandon Freeman	
	5496		Ashley Wilson	
	8049		Ashley Wilson	
	9390		Derrick Reed	
	27309		Derrick Reed	
	29061		Derrick Reed	
	24982		Tracey Castillo	
	66084		Kristine Robles	
	39119		Cassandra Horton	
	69984		Cassandra Horton	
	72062		Paul Ingram	
	39525		Kevin Blair	
	45381		Hunter Johnson	
	65310		Hunter Johnson	
	62127		Kristie Young	
	93041		Kristie Young	
	70049		William Liu	
	15678		Andre Durham	
	83354		Andre Durham	

	12388		Manuel Fernandez	
	95851		Joann Garcia	
	40070		Martha Ritter	
	69172		Martha Ritter	
	48092		Nicole Bishop	
	48885		Jennifer Foster	
	61473		Michael Murphy	
	8942		Derek Willis	
	73300		Lauren Byrd	
	28957		Larry Silva DDS	
	61541		Larry Silva DDS	
	74803		Larry Silva DDS	
	43019		Shawn Cline	
	64326		Shawn Cline	
	75559		Shawn Cline	
	8032		Jared Velez	
	99095		Jared Velez	
	44282		Charles Coffey	
	21467		Catherine Abbott	
	54842		Catherine Abbott	
	26084		Lisa Gordon	
	39237		Lisa Gordon	
	41862		Lisa Gordon	
	29888		Patricia Phillips MD	
	51494		Patricia Phillips MD	
	69264		Patricia Phillips MD	
	91663		Patricia Phillips MD	
	15753		Brandon Whitaker	
	55111		Brandon Whitaker	
	87837		Kaitlyn Harrington	
	81086		Juan Munoz	
	6818		Julie Sanchez	
	77936		Julie Sanchez	
	33194		Cynthia Moore	
	40742		Billy Thomas	
	69211		Billy Thomas	
	42735		Anthony Mitchell	
	37728		Mark Jones	
	87360		Abigail Jones	
	45316		Sharon Lopez	
	49873		Sharon Lopez	

	86708	Sharon Lopez	
	18938	Amber Baker	
	32474	Jennifer Reid	
	91961	Jennifer Reid	
	73957	Brian Lowe	
	95406	Brian Lowe	
	3555	David Valdez	
	32502	David Valdez	
	34253	Kathleen Kelly	
	24696	Jesse Vasquez	
	69736	Jesse Vasquez	
	60042	Donna Williams	
	90610	Donna Williams	
	17875	Alyssa Frazier	
	50697	Alyssa Frazier	
	97755	Alyssa Frazier	
	43491	Melissa Evans	
	69675	Melissa Evans	
	72728	Melissa Evans	
	25195	Darin Ramirez	
	5469	Spencer Keith	
	49057	Ruth Thomas	
	89082	Ruth Thomas	
	34283	Rhonda Morrison	
	69772	Rhonda Morrison	
	35296	Vincent Cortez	
	82424	Amanda Walker	
	76486	Misty Khan	
	82025	Lisa Richardson	
	55860	Virginia Shaw	
	82927	William Boyer	
	34243	Dr. Caroline Wagner	
	61795	Christopher Williams	
	68420	Dana Vasquez	
	15301	Laurie Moore DVM	
	18165	Laurie Moore DVM	
	50318	Laurie Moore DVM	
	52848	Laurie Moore DVM	
	38616	Jamie Holmes	
	70259	Jamie Holmes	
	99685	Jamie Holmes	

	77858	Kelsey Williamson	
	10544	Nicole Schultz	
	69884	Albert Duncan	
	90145	Maria Hoffman	
	92827	Eric Jackson	
	93298	Eric Jackson	
	5687	Lisa Morrow	
	92900	Robin Hart	
	57078	Autumn Butler	
	99743	Autumn Butler	
	90047	Carol Williams	
	36188	Kelly Pena	
	73071	Barbara Mills	
	61763	William Robinson	
	35093	Lorraine Clark	
	47303	Sonia Turner	
	42479	James Adams	
	81708	James Adams	
	7693	Andrea Walker	
	71508	Andrea Walker	
	86549	Jonathan Ward	
	3316	Christopher Spencer	
	37822	John Rodriguez	
	1617	Ariana Norris	
	43124	Ariana Norris	
	8952	Matthew Hanson	
	76984	Matthew Hanson	
	78959	Matthew Hanson	
	50423	Zachary Wall DDS	
	92538	James Tran	
	1631	Jessica Dennis	
	62521	Jessica Dennis	
	74912	Jessica Dennis	
	86291	Jessica Dennis	
	49299	Mario Johnson	
	27403	Michael Roberts DDS	
	36195	Michael Roberts DDS	
	25554	Mario Duffy	
	2556	Jo Ray	
	12113	Lindsay Hodge	
	25696	Lindsay Hodge	

	20445		Christina Meza	
	40706		Christina Meza	
	57857		Christina Meza	
	70888		Molly Cohen	
	1160		James Fuller	
	2065		Jennifer Humphrey	
	42502		Deborah Frazier	
	49358		Deborah Frazier	
	73832		Deborah Frazier	
	25939		Christian Lee	
	48270		Matthew Beck	
	43471		Daniel Poole	
	48633		Daniel Poole	
	86162		Daniel Poole	
	43451		Jerome Mills	
	44370		Jerome Mills	
	69751		Susan Ryan	
	28507		Robert Little	
	40746		Kim Pineda DDS	
	34237		Hailey Bell	
	50229		Megan James	
	64551		Nicole Garza	
	66069		Thomas Frank	
	76905		Ashlee Taylor	
	81901		Ashlee Taylor	
	61118		Jennifer Andrews	
	96551		Jennifer Andrews	

+-----+-----+

5. Set Operation

```
mysql> SELECT employee_id FROM cashier
-> UNION
-> SELECT employee_id FROM cart_attendant
-> ORDER BY employee_id ASC;
```

+-----+
employee_id
+-----+
249
647
690
3197

	3428	
	3614	
	5192	
	7816	
	8944	
	9048	
	10122	
	10600	
	10821	
	11440	
	11650	
	14754	
	15803	
	18129	
	18577	
	18821	
	18881	
	19140	
	19527	
	20533	
	21430	
	22184	
	29050	
	29606	
	29678	
	29841	
	32114	
	35538	
	36857	
	38116	
	39283	
	40125	
	42009	
	42111	
	44110	
	44919	
	45316	
	46613	
	49071	
	49163	
	52226	

	53800	
	55505	
	55740	
	55835	
	56602	
	56628	
	57827	
	58879	
	60523	
	61038	
	62651	
	62663	
	64302	
	64813	
	65946	
	66735	
	67837	
	69375	
	69610	
	70411	
	70752	
	72479	
	72804	
	74260	
	75889	
	78169	
	78624	
	78756	
	78986	
	79008	
	79393	
	81014	
	81089	
	81257	
	82574	
	83428	
	84885	
	85740	
	88332	
	88739	
	88952	

	89568	
	91124	
	93307	
	97030	
	97413	
	97664	
	98267	
	98304	
	98330	
	98390	
	98610	
	98659	
	99420	
	99935	
+-----+		

100 rows in set (0.00 sec)