











# Awesome Chocolates

show tables;

Result Grid		 Filter Rows:
	Tables_in_awesome chocolates	
▶	geo	
	people	
	products	
	sales	




=====

desc sales;

Result Grid		 Filter Rows:	<input type="text"/>	Export:		
	Field	Type	Null	Key	Default	Extra
▶	SPID	text	YES			
	GeoID	text	YES			
	PID	text	YES			
	SaleDate	datetime	YES			
	Amount	int	YES			
	Customers	int	YES			
	Boxes	int	YES			

=====

select \* from sales;

Result Grid			 Filter Rows:	<input type="text"/>	Export:		Wrap Cell Cont
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP01	G4	P04	2021-01-01 00:00:00	8414	276	495
	SP02	G3	P14	2021-01-01 00:00:00	532	317	54
	SP12	G2	P08	2021-01-01 00:00:00	5376	178	269
	SP01	G4	P15	2021-01-01 00:00:00	259	32	22
	SP19	G2	P18	2021-01-01 00:00:00	5530	4	179
	SP17	G1	P13	2021-01-01 00:00:00	2184	63	122
	SP20	G6	P04	2021-01-01 00:00:00	1057	295	71
	SP14	G5	P16	2021-01-01 00:00:00	1036	370	37
	SP10	G5	P17	2021-01-01 00:00:00	4039	536	176
	SP06	G4	P01	2021-01-01 00:00:00	12894	115	478
	SP18	G2	P01	2021-01-01 00:00:00	4669	121	180
	SP04	G4	P16	2021-01-01 00:00:00	6377	184	246
	SP22	G3	P05	2021-01-01 00:00:00	4599	106	256
	SP22	G2	P09	2021-01-01 00:00:00	2751	228	251
	SP10	G1	P06	2021-01-01 00:00:00	15596	32	975
	SP06	G1	P11	2021-01-01 00:00:00	8561	111	330

=====

select SaleDate, Amount from sales;

	SaleDate	Amount
▶	2021-01-01 00:00:00	8414
	2021-01-01 00:00:00	532
	2021-01-01 00:00:00	5376
	2021-01-01 00:00:00	259
	2021-01-01 00:00:00	5530
	2021-01-01 00:00:00	2184
	2021-01-01 00:00:00	1057
	2021-01-01 00:00:00	1036
	2021-01-01 00:00:00	4039
	2021-01-01 00:00:00	12894
	2021-01-01 00:00:00	4669
	2021-01-01 00:00:00	6377
	2021-01-01 00:00:00	4599
	2021-01-01 00:00:00	2751
	2021-01-01 00:00:00	15596
	2021-01-01 00:00:00	8561

=====

### Calculation:

select SaleDate, Amount, Boxes, Amount / Boxes 'Amount per box' from sales;

	SaleDate	Amount	Boxes	Amount per box
▶	2021-01-01 00:00:00	8414	495	16.9980
	2021-01-01 00:00:00	532	54	9.8519
	2021-01-01 00:00:00	5376	269	19.9851
	2021-01-01 00:00:00	259	22	11.7727
	2021-01-01 00:00:00	5530	179	30.8939
	2021-01-01 00:00:00	2184	122	17.9016
	2021-01-01 00:00:00	1057	71	14.8873
	2021-01-01 00:00:00	1036	37	28.0000
	2021-01-01 00:00:00	4039	176	22.9489
	2021-01-01 00:00:00	12894	478	26.9749
	2021-01-01 00:00:00	4669	180	25.9389
	2021-01-01 00:00:00	6377	246	25.9228
	2021-01-01 00:00:00	4599	256	17.9648
	2021-01-01 00:00:00	2751	251	10.9602
	2021-01-01 00:00:00	15596	975	15.9959

=====

### Filtering (where clause):

select \* from sales where Amount>10000;

Result Grid							
Filter Rows:				Export:	Wrap Cell Conte		
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP06	G4	P01	2021-01-01 00:00:00	12894	115	478
	SP10	G1	P06	2021-01-01 00:00:00	15596	32	975
	SP25	G6	P05	2021-01-01 00:00:00	14273	335	752
	SP18	G2	P21	2021-01-04 00:00:00	19229	64	1013
	SP23	G1	P16	2021-01-05 00:00:00	17248	163	664
	SP05	G3	P02	2021-01-07 00:00:00	10451	155	1307
	SP18	G1	P18	2021-01-07 00:00:00	11228	236	388
	SP08	G3	P10	2021-01-08 00:00:00	12726	179	579
	SP10	G2	P12	2021-01-12 00:00:00	11739	22	903
	SP15	G2	P21	2021-01-13 00:00:00	12334	119	686
	SP11	G1	P19	2021-01-14 00:00:00	13090	17	935
	SP05	G6	P20	2021-01-14 00:00:00	15785	209	1128
	SP20	G5	P12	2021-01-14 00:00:00	14574	86	810
	SP02	G2	P12	2021-01-14 00:00:00	14532	142	969
	SP17	G2	P01	2021-01-14 00:00:00	10339	207	357
	SP24	G2	P11	2021-01-14 00:00:00	18704	78	585

=====

### Order by clause:

By default ascending:

select \* from sales where Amount>10000 order by amount;

Result Grid							
Filter Rows:				Export:	Wrap Cell Conte		
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP02	G1	P07	2021-09-17 00:00:00	10010	257	358
	SP01	G2	P17	2021-08-30 00:00:00	10017	163	835
	SP21	G3	P22	2021-11-18 00:00:00	10017	111	418
	SP18	G5	P18	2021-10-27 00:00:00	10017	77	1113
	SP23	G5	P03	2021-05-06 00:00:00	10024	32	627
	SP24	G2	P16	2021-11-02 00:00:00	10024	10	358
	SP11	G1	P15	2021-06-02 00:00:00	10031	5	912
	SP06	G3	P20	2022-01-21 00:00:00	10031	41	669
	SP15	G2	P10	2021-10-05 00:00:00	10038	14	457
	SP23	G1	P20	2021-10-21 00:00:00	10038	265	558
	SP18	G1	P12	2022-03-23 00:00:00	10038	17	457
	SP15	G3	P21	2021-07-30 00:00:00	10045	145	670
	SP14	G1	P06	2022-01-12 00:00:00	10045	7	773
	SP15	G5	P14	2021-10-13 00:00:00	10052	214	1117
	SP11	G2	P03	2021-07-20 00:00:00	10059	284	592
	SP13	G3	P15	2021-02-04 00:00:00	10066	173	420

### Descending order:

select \* from sales where Amount>10000 order by amount desc;

Result Grid							
Filter Rows: <input type="text"/>				Export:	Wrap Cell Cont		
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP23	G4	P03	2021-02-12 00:00:00	27146	329	1939
	SP18	G5	P10	2021-04-22 00:00:00	25207	22	1483
	SP03	G5	P22	2021-06-02 00:00:00	24633	39	986
	SP18	G1	P11	2021-10-21 00:00:00	24451	472	1112
	SP18	G2	P16	2021-03-30 00:00:00	24367	272	3481
	SP24	G4	P01	2022-02-16 00:00:00	23912	211	1993
	SP17	G4	P08	2021-03-10 00:00:00	23268	80	1058
	SP09	G4	P20	2022-03-15 00:00:00	23184	123	1221
	SP14	G1	P01	2022-02-25 00:00:00	22897	43	1347
	SP03	G3	P03	2021-10-25 00:00:00	22715	16	1420
	SP25	G2	P02	2021-05-25 00:00:00	22652	46	2060
	SP16	G2	P13	2022-03-01 00:00:00	22603	32	3229
	SP13	G1	P14	2021-11-26 00:00:00	22512	74	2047
	SP16	G4	P08	2021-06-24 00:00:00	22484	38	978
	SP13	G4	P10	2022-02-25 00:00:00	22155	185	1055
	SP25	G3	P04	2021-09-15 00:00:00	21861	160	1286

=====

### Filtering + order by:

select \* from sales where GeoID='G1' order by PID, amount desc;

Result Grid							
Filter Rows: <input type="text"/>				Export:	Wrap Cell Cont		
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP14	G1	P01	2022-02-25 00:00:00	22897	43	1347
	SP21	G1	P01	2022-01-07 00:00:00	18130	24	1008
	SP11	G1	P01	2021-01-27 00:00:00	17402	43	697
	SP08	G1	P01	2021-09-13 00:00:00	16681	274	596
	SP08	G1	P01	2022-01-10 00:00:00	16121	55	896
	SP23	G1	P01	2021-05-03 00:00:00	13958	185	451
	SP17	G1	P01	2022-01-17 00:00:00	13923	478	871
	SP11	G1	P01	2021-11-29 00:00:00	13419	210	1119
	SP04	G1	P01	2021-02-04 00:00:00	12418	113	1129
	SP25	G1	P01	2021-06-30 00:00:00	10234	114	853
	SP22	G1	P01	2021-10-29 00:00:00	8932	56	993
	SP02	G1	P01	2022-03-30 00:00:00	8876	445	888
	SP22	G1	P01	2022-02-14 00:00:00	8820	251	519
	SP07	G1	P01	2021-02-01 00:00:00	8715	24	282
	SP25	G1	P01	2021-12-15 00:00:00	8610	27	278
	SP16	G1	P01	2021-03-05 00:00:00	8456	222	940

=====

### Multiple filters:

select \* from sales where amount>10000 and SaleDate>='2022-01-01';



Result Grid							
Filter Rows:				Export:	Wrap Cell Cont		
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP15	G3	P11	2022-01-05 00:00:00	14553	152	910
	SP16	G3	P22	2022-01-28 00:00:00	10255	53	733
	SP04	G4	P05	2022-01-28 00:00:00	16800	92	800
	SP05	G1	P02	2022-01-21 00:00:00	16121	487	621
	SP21	G2	P22	2022-01-11 00:00:00	12481	177	1041
	SP24	G6	P17	2022-01-03 00:00:00	12145	55	1013
	SP24	G1	P17	2022-01-07 00:00:00	14665	299	1467
	SP12	G5	P04	2022-01-03 00:00:00	13048	154	653
	SP08	G6	P13	2022-01-18 00:00:00	10192	228	1274
	SP21	G4	P14	2022-01-07 00:00:00	11949	175	1328
	SP22	G5	P08	2022-01-11 00:00:00	13139	371	939
	SP20	G2	P14	2022-01-06 00:00:00	14777	110	2463
	SP06	G2	P20	2022-01-21 00:00:00	12341	127	1029
	SP17	G3	P06	2022-01-13 00:00:00	11130	83	1237
	SP03	G4	P21	2022-01-19 00:00:00	14196	37	676
	SP09	G6	P02	2022-01-10 00:00:00	10374	311	385

Alternate way:

select SaleDate, Amount from sales where amount > 10000 and year(SaleDate) = 2022 order by amount desc;

Result Grid		
Filter Rows:		
	SaleDate	Amount
▶	2022-02-16 00:00:00	23912
	2022-03-15 00:00:00	23184
	2022-02-25 00:00:00	22897
	2022-03-01 00:00:00	22603
	2022-02-25 00:00:00	22155
	2022-01-13 00:00:00	21490
	2022-01-20 00:00:00	21140
	2022-01-17 00:00:00	20741
	2022-01-21 00:00:00	20720
	2022-03-28 00:00:00	20146
	2022-03-22 00:00:00	20041
	2022-01-11 00:00:00	18788
	2022-01-18 00:00:00	18788
	2022-01-10 00:00:00	18697
	2022-01-07 00:00:00	18543
	2022-01-07 00:00:00	18130

=====

Between keyword:

select \* from sales where boxes>0 and boxes<=50;    **OR**  
select \* from sales where boxes **between** 0 and 50;

Result Grid							
Filter Rows:				Export:		Wrap Cell Con	
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP01	G4	P15	2021-01-01 00:00:00	259	32	22
	SP14	G5	P16	2021-01-01 00:00:00	1036	370	37
	SP12	G6	P09	2021-01-04 00:00:00	147	9	11
	SP04	G1	P20	2021-01-06 00:00:00	644	116	34
	SP10	G2	P01	2021-01-08 00:00:00	420	196	14
	SP05	G5	P04	2021-01-08 00:00:00	364	14	21
	SP08	G6	P04	2021-01-08 00:00:00	357	185	17
	SP11	G6	P01	2021-01-12 00:00:00	189	123	8
	SP01	G3	P19	2021-01-12 00:00:00	490	188	35
	SP08	G4	P16	2021-01-12 00:00:00	721	45	24
	SP08	G6	P07	2021-01-13 00:00:00	728	234	32
	SP24	G4	P07	2021-01-14 00:00:00	1239	97	50
	SP13	G2	P04	2021-01-14 00:00:00	35	142	3
	SP06	G4	P08	2021-01-15 00:00:00	308	91	19
	SP10	G1	P01	2021-01-18 00:00:00	238	364	11
	SP24	G5	P04	2021-01-18 00:00:00	945	298	50

### Weekday function:

select SaleDate, Amount, Boxes, **weekday(SaleDate)** as 'Day of Week' from sales  
 where weekday(SaleDate) = 4;

//here 4 is Friday

Result Grid				
Filter Rows:				Export
	SaleDate	Amount	Boxes	Day of Week
▶	2021-01-01 00:00:00	8414	495	4
	2021-01-01 00:00:00	532	54	4
	2021-01-01 00:00:00	5376	269	4
	2021-01-01 00:00:00	259	22	4
	2021-01-01 00:00:00	5530	179	4
	2021-01-01 00:00:00	2184	122	4
	2021-01-01 00:00:00	1057	71	4
	2021-01-01 00:00:00	1036	37	4
	2021-01-01 00:00:00	4039	176	4
	2021-01-01 00:00:00	12894	478	4
	2021-01-01 00:00:00	4669	180	4
	2021-01-01 00:00:00	6377	246	4
	2021-01-01 00:00:00	4599	256	4
	2021-01-01 00:00:00	2751	251	4
	2021-01-01 00:00:00	15596	975	4

select \* from people;

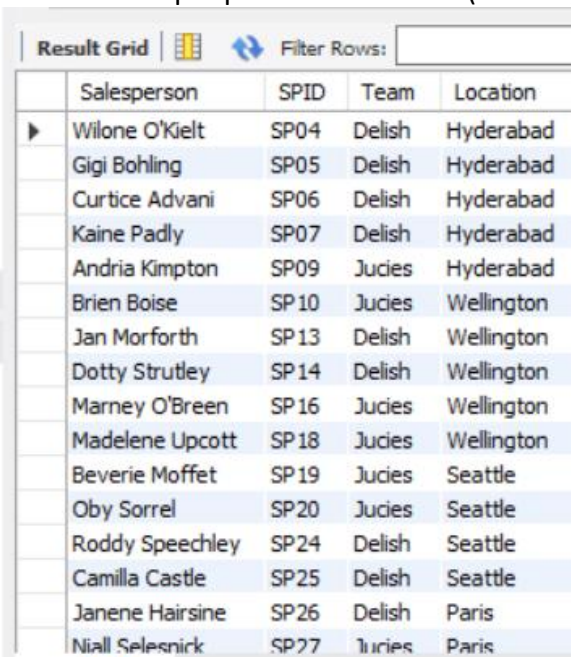


	Salesperson	SPID	Team	Location
▶	Barr Faughny	SP01	Yummies	Hyderabad
	Dennison Crosswaite	SP02	Yummies	Hyderabad
	Gunar Cockshoot	SP03	Yummies	Hyderabad
	Wilone O'Kielt	SP04	Delish	Hyderabad
	Gigi Bohling	SP05	Delish	Hyderabad
	Curtice Advani	SP06	Delish	Hyderabad
	Kaine Padly	SP07	Delish	Hyderabad
	Ches Bonnell	SP08		Hyderabad
	Andria Kimpton	SP09	Jucies	Hyderabad
	Brien Boise	SP10	Jucies	Wellington
	Husein Augar	SP11	Yummies	Wellington
	Karlen McCaffrey	SP12	Yummies	Wellington
	Jan Morforth	SP13	Delish	Wellington
	Dotty Strutley	SP14	Delish	Wellington
	Keldi Walkden	SP15	Yummies	Wellington
	Marney O'Brien	SP16	Jucies	Wellington

people 17 x

=====

select \* from people where team = 'Delish' or team = 'Jucies'; OR  
select \* from people where team in ('Delish', 'Jucies');



	Salesperson	SPID	Team	Location
▶	Wilone O'Kielt	SP04	Delish	Hyderabad
	Gigi Bohling	SP05	Delish	Hyderabad
	Curtice Advani	SP06	Delish	Hyderabad
	Kaine Padly	SP07	Delish	Hyderabad
	Andria Kimpton	SP09	Jucies	Hyderabad
	Brien Boise	SP10	Jucies	Wellington
	Jan Morforth	SP13	Delish	Wellington
	Dotty Strutley	SP14	Delish	Wellington
	Marney O'Brien	SP16	Jucies	Wellington
	Madelene Upcott	SP18	Jucies	Wellington
	Beverie Moffet	SP19	Jucies	Seattle
	Oby Sorrel	SP20	Jucies	Seattle
	Roddy Speechley	SP24	Delish	Seattle
	Camilla Castle	SP25	Delish	Seattle
	Janene Hairsine	SP26	Delish	Paris
	Niall Selesnick	SP27	Jucies	Paris

=====

**Like keyword:**

select \* from people where salesperson like 'B%';

Result Grid				
Filter Rows:				
	Salesperson	SPID	Team	Location
▶	Barr Faughny	SP01	Yummies	Hyderabad
	Brien Boise	SP10	Jucies	Wellington
	Beverie Moffet	SP19	Jucies	Seattle
	Benny Karolovsky	SP32	Jucies	Paris
•	NULL	NULL	NULL	NULL

select \* from people where salesperson like '%B%';

Result Grid				
Filter Rows:				
	Salesperson	SPID	Team	Location
▶	Barr Faughny	SP01	Yummies	Hyderabad
	Gigi Bohling	SP05	Delish	Hyderabad
	Ches Bonnell	SP08		Hyderabad
	Brien Boise	SP10	Jucies	Wellington
	Marney O'Brien	SP16	Jucies	Wellington
	Rafaelita Blaksland	SP17		Wellington
	Beverie Moffet	SP19	Jucies	Seattle
	Oby Sorrel	SP20	Jucies	Seattle
	Mallorie Waber	SP21		Seattle
	Ebonee Roxburgh	SP28		Paris
	Benny Karolovsky	SP32	Jucies	Paris
•	NULL	NULL	NULL	NULL

=====

```
select saledate, amount,
       case when amount < 1000 then 'Under 1k'
            when amount < 5000 then 'Under 5k'
            when amount < 10000 then 'Under 10k'
            else '10k or more'
       end as 'Amount Category'
from sales;
```



Result Grid   Filter Rows: <input type="text"/>			
	saledate	amount	Amount Category
▶	2021-01-01 00:00:00	8414	Under 10k
	2021-01-01 00:00:00	532	Under 1k
	2021-01-01 00:00:00	5376	Under 10k
	2021-01-01 00:00:00	259	Under 1k
	2021-01-01 00:00:00	5530	Under 10k
	2021-01-01 00:00:00	2184	Under 5k
	2021-01-01 00:00:00	1057	Under 5k
	2021-01-01 00:00:00	1036	Under 5k
	2021-01-01 00:00:00	4039	Under 5k
	2021-01-01 00:00:00	12894	10k or more
	2021-01-01 00:00:00	4669	Under 5k
	2021-01-01 00:00:00	6377	Under 10k
	2021-01-01 00:00:00	4599	Under 5k
	2021-01-01 00:00:00	2751	Under 5k
	2021-01-01 00:00:00	15596	10k or more
	2021-01-01 00:00:00	8561	Under 10k