

Awesome Chocolates DB

A SQL Project

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SQL QUERIES

The screenshot shows the MySQL Workbench interface with the following details:

- Script Editor:** Shows the query `SHOW TABLES;` in red.
- Results Grid:** Displays the output of the query:

Table
geo
people
products
sales
- Value Panel:** Shows the value `geo`.
- Panels:** On the right side, there are several panels: Grid, Text, Record, Refresh, Save, Cancel, Export data, and a status bar indicating 4 row(s) fetched - 6ms, on 2023-04-30 at 14:41:21.

SQL QUERIES

The screenshot shows a SQL development environment with two main panes: a script editor at the top and a results grid at the bottom.

Script Editor: The title bar says "*<localhost 2> Script X". The query entered is:

```
DESC geo;
```

Results Grid: The title bar says "Results 1 X". The results show a table named "ABC Tables_in_awesome chocolates" with four rows:

Grid	Value
1	geo
2	people
3	products
4	sales

The "products" row is currently selected. The interface includes various toolbars, a status bar at the bottom, and a "Panels" sidebar on the right.

SQL QUERIES

The screenshot shows a SQL development interface with the following components:

- Query Editor:** A window titled "localhost 2 > Script X" containing the following SQL code:

```
SELECT *  
FROM sales  
LIMIT 10
```
- Result Grid:** A "sales 1" window displaying the results of the query. The grid has columns: SPID, GeOID, PID, SaleDate, Amount, and Customer. The data is as follows:

Grid	SPID	GeOID	PID	SaleDate	Amount	Customer
1	SP01	G4	P04	2021-01-01 00:00:00	8,414	
2	SP02	G3	P14	2021-01-01 00:00:00	532	
3	SP12	G2	P08	2021-01-01 00:00:00	5,376	
4	SP01	G4	P15	2021-01-01 00:00:00	259	
5	SP19	G2	P18	2021-01-01 00:00:00	5,530	
6	SP17	G1	P13	2021-01-01 00:00:00	2,184	
7	SP20	G6	P04	2021-01-01 00:00:00	1,057	
- Details Pane:** A "Value" window showing the value "SP01".
- Toolbars and Buttons:** Various icons for file operations (New, Open, Save, Print) and other database functions.

SQL QUERIES

The screenshot shows a SQL development environment with two main panes. The top pane is a script editor titled '*<localhost 2> Script X' containing the following SQL query:

```
SELECT SaleDate, Amount, Customers  
FROM sales  
LIMIT 10
```

The bottom pane is a results grid titled 'sales 1 X' displaying the query results. The results are as follows:

	SPID	GeOID	PID	SaleDate	Amount	Customers	Boxes
1	SP01	G4	P04	2021-01-01 00:00:00	8,414	276	495
2	SP02	G3	P14	2021-01-01 00:00:00	532	317	54
3	SP12	G2	P08	2021-01-01 00:00:00	5,376	178	269
4	SP01	G4	P15	2021-01-01 00:00:00	259	32	22
5	SP19	G2	P18	2021-01-01 00:00:00	5,530	4	179
6	SP17	G1	P13	2021-01-01 00:00:00	2,184	63	122
7	SP20	G6	P04	2021-01-01 00:00:00	1,057	295	71
8	SP14	G5	P16	2021-01-01 00:00:00	1,036	370	37
9	SP10	G5	P17	2021-01-01 00:00:00	4,039	536	176
10	SP06	G4	P01	2021-01-01 00:00:00	12,894	115	478

A tooltip for the 'Amount' column indicates it is of type 'int'. The interface includes various toolbars and panels on the left and right sides.

SQL QUERIES

The screenshot shows a SQL development environment with two main panes. The top pane is a query editor titled '*<localhost 2> Script X' containing the following SQL code:

```
SELECT SaleDate, Amount, Boxes, Amount/Boxes
FROM sales
LIMIT 10
```

The bottom pane is a results grid titled 'sales 1 X' displaying the output of the query. The results are as follows:

	SaleDate	Amount	Boxes	Amount/Boxes
1	2021-01-01 00:00:00	8,414	495	16.998
2	2021-01-01 00:00:00	532	54	9.8519
3	2021-01-01 00:00:00	5,376	269	19.9851
4	2021-01-01 00:00:00	259	22	11.7727
5	2021-01-01 00:00:00	5,530	179	30.8939
6	2021-01-01 00:00:00	2,184	122	17.9016
7	2021-01-01 00:00:00	1,057	71	14.8873
8	2021-01-01 00:00:00	1,036	37	28
9	2021-01-01 00:00:00	4,039	176	22.9489
10	2021-01-01 00:00:00	12,894	478	26.9749

SQL QUERIES

The screenshot shows a SQL query editor interface with two main panes. The top pane is a script editor titled '*<localhost 2> Script X' containing the following SQL code:

```
SELECT SaleDate, Amount, Boxes, Amount/Boxes AS 'Amount per box'  
FROM sales  
LIMIT 10
```

The bottom pane is a results grid titled 'sales 1 X' displaying the output of the query. The results are as follows:

	SaleDate	Amount	Boxes	Amount per box
1	2021-01-01 00:00:00	8,414	495	16.998
2	2021-01-01 00:00:00	532	54	9.8519
3	2021-01-01 00:00:00	5,376	269	19.9851
4	2021-01-01 00:00:00	259	22	11.7727
5	2021-01-01 00:00:00	5,530	179	30.8939
6	2021-01-01 00:00:00	2,184	122	17.9016
7	2021-01-01 00:00:00	1,057	71	14.8873
8	2021-01-01 00:00:00	1,036	37	28
9	2021-01-01 00:00:00	4,039	176	22.9489
10	2021-01-01 00:00:00	12,894	478	26.9749

SQL QUERIES

The screenshot shows a SQL development interface with two main panes. The top pane is a query editor titled '*<localhost 2> Script X' containing the following SQL code:

```
SELECT *  
FROM sales  
WHERE Amount >10000  
LIMIT 10
```

The bottom pane is a results grid titled 'sales 1 X' displaying the query results. The grid has columns: SPID, Geoid, PID, SaleDate, Amount, Customers, and Boxes. The data is as follows:

	SPID	Geoid	PID	SaleDate	Amount	Customers	Boxes
1	SP06	G4	P01	2021-01-01 00:00:00	12,894	115	478
2	SP10	G1	P06	2021-01-01 00:00:00	15,596	32	975
3	SP25	G6	P05	2021-01-01 00:00:00	14,273	335	752
4	SP18	G2	P21	2021-01-04 00:00:00	19,229	64	1,013
5	SP23	G1	P16	2021-01-05 00:00:00	17,248	163	664
6	SP05	G3	P02	2021-01-07 00:00:00	10,451	155	1,307
7	SP18	G1	P18	2021-01-07 00:00:00	11,228	236	388
8	SP08	G3	P10	2021-01-08 00:00:00	12,726	179	579
9	SP10	G2	P12	2021-01-12 00:00:00	11,739	22	903
10	SP15	G2	P21	2021-01-13 00:00:00	12,334	119	686

SQL QUERIES

The screenshot shows a SQL database interface with two main panes. The top pane is a query editor titled '*<localhost 2> Script X' containing the following SQL code:

```
SELECT *  
FROM sales  
WHERE Amount >10000  
ORDER BY Amount;  
LIMIT 10
```

The bottom pane is a results grid titled 'sales 1 X' displaying the query results. The grid has columns: SPID, Geoid, PID, SaleDate, Amount, Customers, and Boxes. The data is as follows:

	SPID	Geoid	PID	SaleDate	Amount	Customers	Boxes	
1	SP02	G1	P07	2021-09-17 00:00:00	10,010	257	358	
2	SP01	G2	P17	2021-08-30 00:00:00	10,017	163	835	
3	SP21	G3	P22	2021-11-18 00:00:00	10,017	111	418	
4	SP18	G5	P18	2021-10-27 00:00:00	10,017	77	1,113	
5	SP24	G2	P16	2021-11-02 00:00:00	10,024	10	358	
6	SP23	G5	P03	2021-05-06 00:00:00	10,024	32	627	
7	SP06	G3	P20	2022-01-21 00:00:00	10,031	41	669	
8	SP11	G1	P15	2021-06-02 00:00:00	10,031	5	912	
9	SP23	G1	P20	2021-10-21 00:00:00	10,038	265	558	
10	SP18	G1	SaleDate: datetime		2022-03-23 00:00:00	10,038	17	457
11	SP15	G2	P10	2021-10-05 00:00:00	10,038	14	457	
12	SP14	G1	P06	2022-01-12 00:00:00	10,045	7	773	
13	SP15	G3	P21	2021-07-30 00:00:00	10,045	145	670	

SQL QUERIES

The screenshot shows a SQL development interface with two main panes. The top pane is a query editor titled '*<localhost 2> Script X' containing the following SQL code:

```
SELECT *  
FROM sales  
WHERE GeoID = 'G1'  
ORDER BY PID, Amount DESC;  
LIMIT 10;
```

The bottom pane is a results grid titled 'sales 1 X' displaying the query results. The grid has columns: Grid, ID, SPID, Geoid, PID, SaleDate, Amount, Customers, and Boxes. The data is as follows:

Grid	ID	SPID	Geoid	PID	SaleDate	Amount	Customers	Boxes
Text	1	SP14	G1	P01	2022-02-25 00:00:00	22,897	43	1,347
	2	SP21	G1	P01	2022-01-07 00:00:00	18,130	24	1,008
	3	SP11	G1	P01	2021-01-27 00:00:00	17,402	43	697
	4	SP08	G1	P01	2021-09-13 00:00:00	16,681	274	596
	5	SP08	G1	P01	2022-01-10 00:00:00	16,121	55	896
	6	SP23	G1	P01	2021-05-03 00:00:00	13,958	185	451
	7	SP17	G1	P01	2022-01-17 00:00:00	13,923	478	871
	8	SP11	G1	P01	2021-11-29 00:00:00	13,419	210	1,119
	9	SP04	G1	P01	2021-02-04 00:00:00	12,418	113	1,129
	10	SP25	G1	P01	2021-06-30 00:00:00	10,234	114	853
	11	SP22	G1	P01	2021-10-29 00:00:00	8,932	56	993
	12	SP02	G1	P01	2022-03-30 00:00:00	8,876	445	888
	13	SP22	G1	P01	2022-02-14 00:00:00	8,820	251	519

SQL QUERIES

The screenshot shows a SQL development environment with two panes. The top pane is titled '*<localhost 2> Script X' and contains the following SQL code:

```
SELECT *  
FROM sales  
WHERE Amount > 10000 AND SaleDate >= '2022-01-01'  
ORDER BY Amount DESC;  
LIMIT 10
```

The bottom pane is titled 'sales 3 X' and displays the results of the query as a grid. The grid has columns: GridId, SPID, Geoid, PID, SaleDate, Amount, Customers, and Boxes. The data is as follows:

GridId	SPID	Geoid	PID	SaleDate	Amount	Customers	Boxes
1	SP24	G4	P01	2022-02-16 00:00:00	23,912	211	1,993
2	SP09	G4	P20	2022-03-15 00:00:00	23,184	123	1,221
3	SP14	G1	P01	2022-02-25 00:00:00	22,897	43	1,347
4	SP16	G2	P13	2022-03-01 00:00:00	22,603	32	3,229
5	SP13	G4	P10	2022-02-25 00:00:00	22,155	185	1,055
6	SP09	G6	P04	2022-01-13 00:00:00	21,490	334	1,132
7	SP15	G5	P21	2022-01-20 00:00:00	21,140	19	1,510
8	SP03	G1	P16	2022-01-17 00:00:00	20,741	101	1,596
9	SP08	G4	P04	2022-01-21 00:00:00	20,720	78	1,091
10	SP04	G4	P11	2022-03-28 00:00:00	20,146	75	960
11	SP22	G1	P14	2022-03-22 00:00:00	20,041	119	872
12	SP03	G2	P20	2022-01-11 00:00:00	18,788	121	1,342
13	SP04	G5	P19	2022-01-18 00:00:00	18,788	329	854
14	SP04	G2	P15	2022-01-10 00:00:00	18,697	197	891
15	SP24	G4	P04	2022-01-07 00:00:00	18,543	33	976

The screenshot shows a SQL development environment with two panes. The top pane is titled '*<localhost 2> Script X' and contains the following SQL code:

```
SELECT *  
FROM sales  
WHERE Amount > 10000 AND SaleDate >= '2022-01-01'  
ORDER BY Amount DESC;  
LIMIT 10
```

The bottom pane is titled 'sales 3 X' and displays the results of the query as a grid. The grid has columns: GridId, SPID, Geoid, PID, SaleDate, Amount, Customers, and Boxes. The data is as follows:

GridId	SPID	Geoid	PID	SaleDate	Amount	Customers	Boxes
1	SP24	G4	P01	2022-02-16 00:00:00	23,912	211	1,993
2	SP09	G4	P20	2022-03-15 00:00:00	23,184	123	1,221
3	SP14	G1	P01	2022-02-25 00:00:00	22,897	43	1,347
4	SP16	G2	P13	2022-03-01 00:00:00	22,603	32	3,229
5	SP13	G4	P10	2022-02-25 00:00:00	22,155	185	1,055
6	SP09	G6	P04	2022-01-13 00:00:00	21,490	334	1,132
7	SP15	G5	P21	2022-01-20 00:00:00	21,140	19	1,510
8	SP03	G1	P16	2022-01-17 00:00:00	20,741	101	1,596
9	SP08	G4	P04	2022-01-21 00:00:00	20,720	78	1,091
10	SP04	G4	P11	2022-03-28 00:00:00	20,146	75	960
11	SP22	G1	P14	2022-03-22 00:00:00	20,041	119	872
12	SP03	G2	P20	2022-01-11 00:00:00	18,788	121	1,342
13	SP04	G5	P19	2022-01-18 00:00:00	18,788	329	854
14	SP04	G2	P15	2022-01-10 00:00:00	18,697	197	891
15	SP24	G4	P04	2022-01-07 00:00:00	18,543	33	976

SQL QUERIES

The screenshot shows a SQL development environment with the following interface elements:

- Top Bar:** Displays the connection information "*<localhost 2> Script X".
- Left Sidebar:** Contains icons for file operations (New, Open, Save, Close, Print, Find, Copy, Paste, Undo, Redo), a search bar, and tabs for "sales 3" and "sales 2".
- Query Editor:** Shows a collapsed query tree and the expanded SQL code:

```
SELECT SaleDate, Amount
FROM sales
WHERE Amount > 10000 AND YEAR (SaleDate) = '2022'
ORDER BY Amount DESC
LIMIT 10
```
- Result Grid:** A table displaying the results of the query:

	SaleDate	Amount
1	2022-02-16 00:00:00	23,912
2	2022-03-15 00:00:00	23,184
3	2022-02-25 00:00:00	22,897
4	2022-03-01 00:00:00	22,603
5	2022-02-25 00:00:00	22,155
6	2022-01-13 00:00:00	21,490
7	2022-01-20 00:00:00	21,140
8	2022-01-17 00:00:00	20,741
9	2022-01-21 00:00:00	20,720
10	2022-03-28 00:00:00	20,146
- Right Sidebar:** Labeled "Panels" and contains icons for Grid, Text, Find, Sort, Filter, and Refresh.
- Bottom Bar:** Includes a toolbar with icons for Run, Stop, Refresh, and navigation arrows, along with a status bar message "Enter a SQL expression to filter results (use Ctrl+Space)".

SQL QUERIES

The screenshot shows a SQL development interface with the following components:

- Query Editor:** A top panel titled "localhost 2 > Script X" containing a query:

```
SELECT *  
FROM sales  
WHERE Boxes > 0 AND Boxes <= 50  
LIMIT 10
```
- Result Grid:** Below the editor, a table displays the results of the query. The columns are: SPID, GeOID, PID, SaleDate, Amount, Customers, and Boxes. The data is as follows:

	SPID	GeOID	PID	SaleDate	Amount	Customers	Boxes
1	SP01	G4	P15	2021-01-01 00:00:00	259	32	22
2	SP14	G5	P16	2021-01-01 00:00:00	1,036	370	37
3	SP12	G6	P09	2021-01-04 00:00:00	147	9	11
4	SP04	G1	P20	2021-01-06 00:00:00	644	116	34
5	SP10	G2	P01	2021-01-08 00:00:00	420	196	14
6	SP05	G5	P04	2021-01-08 00:00:00	364	14	21
7	SP08	G6	P04	2021-01-08 00:00:00	357	185	17
8	SP11	G6	P01	2021-01-12 00:00:00	189	123	8
9	SP01	G3	P19	2021-01-12 00:00:00	490	188	35
10	SP08	G4	P16	2021-01-12 00:00:00	721	45	24

- Panels:** On the left and right sides of the grid, there are panels with various icons for navigating and managing the query and results.

SQL QUERIES

The screenshot shows a SQL development interface with two main panes. The top pane is a query editor titled '*<localhost 2> Script X' containing the following SQL code:

```
SELECT *  
FROM sales  
WHERE Boxes BETWEEN 0 AND 50  
LIMIT 10
```

The bottom pane is a results grid titled 'sales 1 X' displaying the query results. The grid has the following columns:

	SPID	GeOID	PID	SaleDate	Amount	Customers	Boxes
1	SP01	G4	P15	2021-01-01 00:00:00	259	32	22
2	SP14	G5	P16	2021-01-01 00:00:00	1,036	370	37
3	SP12	G6	P09	2021-01-04 00:00:00	147	9	11
4	SP04	G1	P20	2021-01-06 00:00:00	644	116	34
5	SP10	G2	P01	2021-01-08 00:00:00	420	196	14
6	SP05	G5	P04	2021-01-08 00:00:00	364	14	21
7	SP08	G6	Customers: int	2021-01-08 00:00:00	357	185	17
8	SP11	G6	P01	2021-01-12 00:00:00	189	123	8
9	SP01	G3	P19	2021-01-12 00:00:00	490	188	35
10	SP08	G4	P16	2021-01-12 00:00:00	721	45	24

The interface includes various toolbars and panels on the left and right sides, typical of a modern database management system.

SQL QUERIES

The screenshot shows a SQL development environment with two main panes. The top pane is a code editor titled "Script-1" containing a SELECT query:

```
SELECT SaleDate, Amount, Boxes, WEEKDAY(SaleDate) AS 'Day of Week'  
FROM sales  
WHERE WEEKDAY(SaleDate);  
LIMIT 10
```

The bottom pane is a grid titled "sales 1" displaying the results of the query. The results show 15 rows of data with columns: SaleDate, Amount, Boxes, and Day of Week. The "Amount" column has a tooltip "Amount: int".

	SaleDate	Amount	Boxes	Day of Week
1	2021-01-01 00:00:00	8,414	495	4
2	2021-01-01 00:00:00	532	54	4
3	2021-01-01 00:00:00	5,376	269	4
4	2021-01-01 00:00:00	259	22	4
5	2021-01-01 00:00:00	5,530	179	4
6	2021-01-01 00:00:00	2,184	122	4
7	2021-01-01 00:00:00	1,057	71	4
8	2021-01-01 00:00:00	1,036	37	4
9	2021-01-01 00:00:00	4,039	176	4
10	2021-01-01 00:00:00	12,894	478	4
11	2021-01-01 00:00:00	4,669	180	4
12	2021-01-01 00:00:00	6,377	246	4
13	2021-01-01 00:00:00	4,599	256	4
14	2021-01-01 00:00:00	2,751	251	4
15	2021-01-01 00:00:00	15,596	975	4

SQL QUERIES

The screenshot shows a SQL development interface with two main panes. The top pane is a query editor titled "localhost 2 > Script-1" containing the following SQL code:

```
SELECT *  
FROM people  
WHERE team IN ('Delish', 'Jucies');  
LIMIT 10;
```

The bottom pane displays the results of the query in a grid titled "people 1". The grid has columns: Salesperson, SPID, Team, and Location. The data is as follows:

	Salesperson	SPID	Team	Location
1	Wilone O'Kielt	SP04	Delish	Hyderabad
2	Gigi Bohling	SP05	Delish	Hyderabad
3	Curtice Advani	SP06	Delish	Hyderabad
4	Kaine Padly	SP07	Delish	Hyderabad
5	Andria Kimpton	SP09	Jucies	Hyderabad
6	Brien Boise	SP10	Jucies	Wellington
7	Jan Morforth	SP13	Delish	Wellington
8	Dotty Strutley	SP14	Delish	Wellington
9	Marney O'Brien	SP16	Jucies	Wellington
10	Madelene Upcott	SP18	Jucies	Wellington
11	Beverie Moffet	SP19	Jucies	Seattle
12	Oby Sorrel	SP20	Jucies	Seattle
13	Roddy Speechley	SP24	Delish	Seattle
14	Camilla Castle	SP25	Delish	Seattle
15	Ianene Hairsine	SP26	Delish	Paris

SQL QUERIES

The screenshot shows a SQL development interface with two main panes. The top pane is a query editor titled '*<localhost 2> Script-1 X' containing the following SQL code:

```
SELECT *  
FROM people  
WHERE Salesperson LIKE 'B%'  
LIMIT 10
```

The bottom pane is a results grid titled 'people 1 X' displaying the following data:

	Salesperson	SPID	Team	Location
1	Barr Faughny	SP01	Yummies	Hyderabad
2	Brien Boise	SP10	Jucies	Wellington
3	Beverie Moffet	SP19	Jucies	Seattle
4	Benny Karolovsky	SP32	Jucies	Paris

On the left side of the interface, there are vertical tabs for 'Grid' and 'Text'. On the right side, there are panels for filtering and sorting.

SQL QUERIES

The screenshot shows a SQL development environment with two tabs open in the top bar: "localhost 2 > Script-1" and "localhost 2 > Script". The "Script-1" tab contains the following SQL code:

```
SELECT *  
FROM people  
WHERE Salesperson LIKE '%B%'  
LIMIT 10
```

The "Script" tab is currently active. On the left side of the interface, there is a vertical toolbar with various icons: a green play button, a blue plus sign, a red minus sign, a blue gear, four small squares, a blue arrow pointing up, a blue arrow pointing down, a blue file icon, a red file icon, and a blue file with an 'x' icon.

people 1 people 2 X

SELECT * FROM people WHERE Salesperson | Enter a SQL expression to filter results (use Ctrl+Space)

	Avg Salesperson	Avg SPID	Avg Team	Avg Location
1	Barr Faughny	SP01	Yummies	Hyderabad
2	Gigi Bohling	SP05	Delish	Hyderabad
3	Ches Bonnell	SP08		Hyderabad
4	Brien Boise	SP10	Jucies	Wellington
5	Marney O'Brien	SP16	Jucies	Wellington
6	Rafaelita Blaksland	SP17		Wellington
7	Beverie Moffet	SP19	Jucies	Seattle
8	Oby Sorrel	SP20	Jucies	Seattle
9	Mallorie Waber	SP21		Seattle
10	Ebenee Roxburgh	SP28		Paris

SQL QUERIES

The screenshot shows a SQL development environment with the following interface elements:

- Top Bar:** Displays database connections: "awesome chocolates", "erd try.erd", and a script editor titled "*<localhost 2> Script-2 X".
- Left Sidebar:** Includes icons for file operations (New, Open, Save, Import, Export, Delete), a settings gear, and a help section.
- Query Editor:** Contains the following SQL code:

```
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:** A table titled "sales 1 X" showing the results of the query. The columns are "SaleDate", "Amount", and "Amount Category". The data is as follows:

	SaleDate	Amount	Amount Category
1	2021-01-01 00:00:00	8,414	Under 10k
2	2021-01-01 00:00:00	532	Under 1k
3	2021-01-01 00:00:00	5,376	Under 10k
4	2021-01-01 00:00:00	259	Under 1k
5	2021-01-01 00:00:00	5,530	Under 10k
6	2021-01-01 00:00:00	2,184	Under 5k
7	2021-01-01 00:00:00	1,057	Under 5k
8	2021-01-01 00:00:00	1,036	Under 5k
9	2021-01-01 00:00:00	4,039	Under 5k
10	2021-01-01 00:00:00	12,894	10k or more
11	2021-01-01 00:00:00	4,660	Under 5k

The interface also includes a toolbar with various icons for navigation and operations, and a "Panels" sidebar on the right.

Intermediate SQL Queries

The screenshot shows a database development interface with the following components:

- Top Bar:** Displays three tabs: "awesome chocolates", "erd try.erd", and "*<localhost 2> Script-2".
- Query Editor:** Shows the following SQL code:

```
SELECT s.SaleDate, s.Amount, p.Salesperson, s.SPID, p.SPID
FROM sales s
JOIN people p ON p.SPID = s.SPID
```
- Results Grid:** A table displaying the results of the executed query. The columns are: SaleDate, Amount, Salesperson, SPID, and SPID. The data consists of 18 rows of sales information.
- Panels:** On the right side, there are several panels represented by icons: Grid, Text, Execution plan - 1, and a vertical stack of other panels.

	SaleDate	Amount	Salesperson	SPID	SPID
1	2021-01-01 00:00:00	8,414	Barr Faughny	SP01	SP01
2	2021-01-01 00:00:00	532	Dennison Crosswaite	SP02	SP02
3	2021-01-01 00:00:00	5,376	Karlen McCaffrey	SP12	SP12
4	2021-01-01 00:00:00	259	Barr Faughny	SP01	SP01
5	2021-01-01 00:00:00	5,530	Beverie Moffet	SP19	SP19
6	2021-01-01 00:00:00	2,184	Rafaelita Blaksland	SP17	SP17
7	2021-01-01 00:00:00	1,057	Oby Sorrel	SP20	SP20
8	2021-01-01 00:00:00	1,036	Dotty Strutley	SP14	SP14
9	2021-01-01 00:00:00	4,039	Brien Boise	SP10	SP10
10	2021-01-01 00:00:00	12,894	Curtice Advani	SP06	SP06
11	2021-01-01 00:00:00	4,669	Madelene Upcott	SP18	SP18
12	2021-01-01 00:00:00	6,377	Wilone O'Kiel	SP04	SP04
13	2021-01-01 00:00:00	4,599	Jehu Rudeforth	SP22	SP22
14	2021-01-01 00:00:00	2,751	Jehu Rudeforth	SP22	SP22
15	2021-01-01 00:00:00	15,596	Brien Boise	SP10	SP10
16	2021-01-01 00:00:00	8,561	Curtice Advani	SP06	SP06
17	2021-01-01 00:00:00	14,273	Camilla Castle	SP25	SP25
18	2021-01-01 00:00:00	2,506	Dennison Crosswaite	SP02	SP02

Intermediate SQL Queries

The screenshot shows a database interface with a query editor and a results grid.

Query Editor:

```
SELECT s.SaleDate, s.Amount, pr.Product
FROM sales s
LEFT JOIN products pr ON pr.PID = s.PID;
```

Results Grid:

	SaleDate	Amount	Product
1	2021-01-01 00:00:00	8,414	Raspberry Choco
2	2021-01-01 00:00:00	532	White Choc
3	2021-01-01 00:00:00	5,376	99% Dark & Pure
4	2021-01-01 00:00:00	259	Baker's Choco Chips
5	2021-01-01 00:00:00	5,530	Manuka Honey Choco
6	2021-01-01 00:00:00	2,184	85% Dark Bars
7	2021-01-01 00:00:00	1,057	Raspberry Choco
8	2021-01-01 00:00:00	1,036	Organic Choco Syrup
9	2021-01-01 00:00:00	4,039	Caramel Stuffed Bars
10	2021-01-01 00:00:00	12,894	Milk Bars
11	2021-01-01 00:00:00	4,669	Milk Bars
12	2021-01-01 00:00:00	6,377	Organic Choco Syrup
13	2021-01-01 00:00:00	4,599	Mint Chip Choco
14	2021-01-01 00:00:00	2,751	Orange Choco
15	2021-01-01 00:00:00	15,596	Eclairs
16	2021-01-01 00:00:00	8,561	After Nines
17	2021-01-01 00:00:00	14,273	Mint Chip Choco

Panels: The right side of the interface features a vertical panel bar with various icons for managing queries, tables, and other database objects.

Intermediate SQL Queries

```
④ SELECT s.SaleDate, s.Amount, p.Salesperson, pr.Product, p.Team |
FROM sales s
JOIN people p ON p.SPID = s.SPID
LEFT JOIN products pr ON pr.PID = s.PID;
```

ducts 1 | sales(+) 4 | sales(+) 3 X

.SELECT s.SaleDate, s.Amount, p.Salesperso| Enter a SQL expression to filter results (use Ctrl+Space)

The screenshot shows a database interface with a query editor at the top and a data grid below. The query editor contains the following SQL code:

```
SELECT s.SaleDate, s.Amount, p.Salesperson, pr.Product, p.Team |
FROM sales s
JOIN people p ON p.SPID = s.SPID
LEFT JOIN products pr ON pr.PID = s.PID;
```

The data grid displays the results of the query. The columns are:

- SaleDate
- Amount
- Salesperson
- Product
- Team

The data grid contains 15 rows of sales data. The first few rows are:

SaleDate	Amount	Salesperson	Product	Team
2021-01-01 00:00:00	8,414	Barr Faughny	Raspberry Choco	Yummies
2021-01-01 00:00:00	532	Dennison Crosswaite	White Choc	Yummies
2021-01-01 00:00:00	5,376	Karlen McCaffrey	99% Dark & Pure	Yummies

On the right side of the interface, there is a vertical toolbar labeled "Panels" with several icons: a bar chart, a pie chart, a scatter plot, a map, and a table.

Intermediate SQL Queries

The screenshot shows a database interface with a query editor at the top and a data grid below it.

Query Editor:

```
SELECT s.SaleDate, s.Amount, p.Salesperson, pr.Product, p.Team
FROM sales s
JOIN people p ON p.SPID = s.SPID
LEFT JOIN products pr ON pr.PID = s.PID
WHERE s.Amount < 500;
```

Data Grid:

Grid	SaleDate	Amount	Salesperson	Product	Team
1	2021-01-01 00:00:00	259	Barr Faughny	Baker's Choco Chips	Yummies
2	2021-01-04 00:00:00	147	Karlen McCaffrey	Orange Choco	Yummies
3	2021-01-08 00:00:00	420	Brien Boise	Milk Bars	Jucies
4	2021-01-08 00:00:00	364	Gigi Bohling	Raspberry Choco	Delish
5	2021-01-08 00:00:00	357	Ches Bonnell	Raspberry Choco	
6	2021-01-12 00:00:00	189	Husein Augar	Milk Bars	Yummies
7	2021-01-12 00:00:00	490	Barr Faughny	70% Dark Bites	Yummies
8	2021-01-14 00:00:00	35	Jan Morforth	Raspberry Choco	Delish
9	2021-01-15 00:00:00	308	Curtice Advani	99% Dark & Pure	Delish
10	2021-01-18 00:00:00	238	Brien Boise	Milk Bars	Jucies
11	2021-01-19 00:00:00	161	Ches Bonnell	Eclairs	
12	2021-01-20 00:00:00	343	Brien Boise	Eclairs	Jucies
13	2021-01-20 00:00:00	126	Kelci Walkden	Baker's Choco Chips	Yummies
14	2021-01-21 00:00:00	280	Ches Bonnell	Almond Choco	
15	2021-01-21 00:00:00	427	Marney O'Brien	Choco Coated Almonds	Jucies
16	2021-01-22 00:00:00	168	Obv Sorrel	Almond Choco	Jucies

Intermediate SQL Queries

```
④ SELECT s.SaleDate, s.Amount, p.Salesperson, pr.Product, p.Team  
FROM sales s  
JOIN people p ON p.SPID = s.SPID  
LEFT JOIN products pr ON pr.PID = s.PID  
WHERE s.Amount < 500  
AND p.Team = 'Delish';
```

products 1 | sales(+ 4) | sales(+ 3) | sales(+ 4) | sales(+ 5) | sales(+ 6) X

SELECT s.SaleDate, s.Amount, p.Salesperso| Enter a SQL expression to filter results (use Ctrl+Space)

The screenshot shows a database interface with a query editor at the top containing an SQL select statement. Below the editor is a table with 16 rows of sales data. The table has columns: SaleDate, Amount, Salesperson, Product, and Team. The data shows various sales transactions, mostly for the 'Delish' team, with amounts ranging from 21 to 448. The interface includes a toolbar with icons for different operations like insert, update, delete, and search. On the right side, there's a vertical panel titled 'Panels' with several icons for managing tables and queries.

	SaleDate	Amount	Salesperson	Product	Team
1	2021-01-08 00:00:00	364	Gigi Bohling	Raspberry Choco	Delish
2	2021-01-14 00:00:00	35	Jan Morforth	Raspberry Choco	Delish
3	2021-01-15 00:00:00	308	Curtice Advani	99% Dark & Pure	Delish
4	2021-02-04 00:00:00	182	Camilla Castle	Manuka Honey Choco	Delish
5	2021-02-04 00:00:00	392	Jan Morforth	Almond Choco	Delish
6	2021-02-12 00:00:00	21	Jan Morforth	99% Dark & Pure	Delish
7	2021-02-15 00:00:00	343	Roddy Speechley	White Choc	Delish
8	2021-02-17 00:00:00	133	Camilla Castle	Drinking Coco	Delish
9	2021-02-22 00:00:00	329	Dotty Strutley	White Choc	Delish
10	2021-02-23 00:00:00	168	Gigi Bohling	Caramel Stuffed Bars	Delish
11	2021-03-03 00:00:00	420	Dotty Strutley	Milk Bars	Delish
12	2021-03-04 00:00:00	448	Gigi Bohling	Orange Choco	Delish
13	2021-03-05 00:00:00	448	Wilone O'Kielt	Drinking Coco	Delish
14	2021-03-08 00:00:00	161	Gigi Bohling	Choco Coated Almonds	Delish
15	2021-03-09 00:00:00	154	Roddy Speechley	Spicy Special Slims	Delish
16	2021-03-15 00:00:00	371	Roddy Speechley	Mint Chip Choco	Delish

Intermediate SQL Queries

```
④ SELECT s.SaleDate, s.Amount, p.Salesperson, pr.Product, p.Team  
      FROM sales s  
    JOIN people p ON p.SPID = s.SPID  
LEFT JOIN products pr ON pr.PID = s.PID  
 WHERE s.Amount < 500  
   AND p.Team = '';
```

products 1 | sales(+ 4) X | sales(+ 3) | sales(+ 4) | sales(+ 5) | sales(+ 6) | sales(+ 7) | sales(+ 8) X

ELECT s.SaleDate, s.Amount, p.Salesperso Enter a SQL expression to filter results (use Ctrl+Space)

The screenshot shows a database interface with a query editor at the top containing an SQL select statement. Below the editor is a table with 15 rows of sales data. The table has columns: SaleDate, Amount, Salesperson, Product, and Team. The data includes various dates from January to May 2021, amounts ranging from 35 to 364, and salespeople like Ches Bonnell, Mallorie Waber, and Jehu Rudeforth. Products listed include Raspberry Choco, Eclairs, Almond Choco, Peanut Butter Cubes, 70% Dark Bites, Milk Bars, Drinking Coco, Orange Choco, Manuka Honey Choco, Eclairs, Caramel Stuffed Bars, Mint Chip Choco, Orange Choco, and Spicy Special Slims. The Team column shows mostly empty values. On the right side, there's a vertical panel bar with icons for different tools and features.

	SaleDate	Amount	Salesperson	Product	Team
1	2021-01-08 00:00:00	357	Ches Bonnell	Raspberry Choco	
2	2021-01-19 00:00:00	161	Ches Bonnell	Eclairs	
3	2021-01-21 00:00:00	280	Ches Bonnell	Almond Choco	
4	2021-01-25 00:00:00	42	Ches Bonnell	Peanut Butter Cubes	
5	2021-01-25 00:00:00	343	Mallorie Waber	70% Dark Bites	
6	2021-01-28 00:00:00	182	Mallorie Waber	Milk Bars	
7	2021-02-08 00:00:00	336	Ches Bonnell	Drinking Coco	
8	2021-02-26 00:00:00	217	Mallorie Waber	Orange Choco	
9	2021-04-15 00:00:00	301	Mallorie Waber	Manuka Honey Choco	
10	2021-04-23 00:00:00	427	Mallorie Waber	Eclairs	
11	2021-04-27 00:00:00	35	Jehu Rudeforth	Caramel Stuffed Bars	
12	2021-04-27 00:00:00	28	Ches Bonnell	Mint Chip Choco	
13	2021-05-03 00:00:00	364	Mallorie Waber	Orange Choco	
14	2021-05-24 00:00:00	217	Mallorie Waber	Spicy Special Slims	
15	2021-05-25 00:00:00	302	Jehu Rudeforth	Spicy Special Slims	

Intermediate SQL Queries

```
④ SELECT s.SaleDate, s.Amount, p.Salesperson, pr.Product, p.Team, g.Geo
  FROM sales s
  JOIN people p ON p.SPID = s.SPID
 LEFT JOIN products pr ON pr.PID = s.PID
  JOIN geo g ON g.GeoID = s.GeoID
 WHERE s.Amount < 500
   AND p.Team = ' '
   AND g.Geo IN ('New Zealand', 'India');
```

sales(+) 11 X

SELECT s.SaleDate, s.Amount, p.Salesperso| Enter a SQL expression to filter results (use Ctrl+Space)

	SaleDate	Amount	Salesperson	Product	Team	Geo
1	2021-01-25 00:00:00	42	Ches Bonnell	Peanut Butter Cubes		New Zealand
2	2021-01-25 00:00:00	343	Mallorie Waber	70% Dark Bites		New Zealand
3	2021-01-28 00:00:00	182	Mallorie Waber	Milk Bars		New Zealand
4	2021-02-08 00:00:00	336	Ches Bonnell	Drinking Coco		New Zealand
5	2021-04-27 00:00:00	35	Jehu Rudeforth	Caramel Stuffed Bars		New Zealand
6	2021-04-27 00:00:00	28	Ches Bonnell	Mint Chip Choco		New Zealand
7	2021-05-03 00:00:00	364	Mallorie Waber	Orange Choco		India
8	2021-05-25 00:00:00	392	Jehu Rudeforth	Spicy Special Slims		New Zealand
9	2021-07-27 00:00:00	98	Rafaelita Blaksland	Manuka Honey Choco		New Zealand
10	2021-09-13 00:00:00	98	Jehu Rudeforth	Mint Chip Choco		New Zealand
11	2021-09-29 00:00:00	427	Rafaelita Blaksland	Almond Choco		India
12	2022-02-11 00:00:00	301	Mallorie Waber	Caramel Stuffed Bars		New Zealand
13	2021-09-13 00:00:00	476	Rafaelita Blaksland	Eclairs		India
14	2021-04-07 00:00:00	252	Mallorie Waber	Eclairs		India
15	2022-02-07 00:00:00	441	Ches Bonnell	Milk Bars		India

Intermediate SQL Queries

The screenshot shows a database interface with a query editor and a results grid.

Query Editor:

```
SELECT GeoID, SUM(Amount)
FROM sales s
GROUP BY GeoID;
```

Grid Results:

	GeoID	Sum(Amount)
1	G4	7,435,918
2	G3	7,350,091
3	G2	7,012,523
4	G1	7,310,254
5	G6	7,189,609
6	G5	7,263,151

Intermediate SQL Queries

```
SELECT g.Geo, SUM(Amount), AVG(Amount), SUM(Boxes)
FROM sales s
JOIN geo g ON g.GeoID = s.GeoID
GROUP BY g.Geo;
```

sales(+ 11) | sales 3 | Results 3 | Results 4 | Results 5 | geo 6 X

SELECT g.Geo, SUM(Amount), AVG(Amount) | *Enter a SQL expression to filter results (use Ctrl+Space)*

	ABC Geo	123 SUM(Amount)	123 AVG(Amount)	123 SUM(Boxes)
1	New Zealand	7,435,918	5,755.3545	493,139
2	Canada	7,350,091	5,684.5251	491,482
3	USA	7,012,523	5,646.1538	473,759
4	India	7,310,254	5,797.1879	490,374
5	UK	7,189,609	5,674.5138	470,021
6	Australia	7,263,151	5,755.2702	482,536

Panels

Intermediate SQL Queries

```
SELECT pr.Category, p.Team, SUM(Boxes), SUM(Amount)
FROM sales s
JOIN people p ON p.SPID = s.SPID
JOIN products pr ON pr.PID = s.PID
GROUP BY pr.Category, p.Team;
```

sales(+ 11) | sales 3 | Results 3 | Results 4 | Results 5 | geo 6 X

SELECT g.Geo, SUM(Amount), AVG(Amount) | Enter a SQL expression to filter results (use Ctrl+Space)

	ABC Geo	123 SUM(Amount)	123 AVG(Amount)	123 SUM(Boxes)
1	New Zealand	7,435,918	5,755.3545	493,139
2	Canada	7,350,091	5,684.5251	491,482
3	USA	7,012,523	5,646.1538	473,759
4	India	7,310,254	5,797.1879	490,374
5	UK	7,189,609	5,674.5138	470,021
6	Australia	7,263,151	5,755.2702	482,536

Panels

Intermediate SQL Queries

```
SELECT pr.Category, p.Team, SUM(Boxes), SUM(Amount)
Preferences... sales s
  JOIN people p ON p.SPID = s.SPID
  JOIN products pr ON pr.PID = s.PID
  GROUP BY pr.Category, p.Team
  ORDER BY pr.Category, p.Team;
```

sales(+) 11 | sales 3 | Results 3 | Results 4 | Results 5 | geo 6 | products(+) 7 X

Enter a SQL expression to filter results (use Ctrl+Space)

	ABC Category	ABC Team	123 SUM(Boxes)	123 SUM(Amount)
1	Bars		231,919	3,568,404
2	Bars	Delish	456,609	6,862,975
3	Bars	Jucies	340,348	5,113,521
4	Bars	Yummies	406,265	6,201,601
5	Bites		129,892	2,151,016
6	Bites	Delish	273,424	4,525,724
7	Bites	Jucies	201,838	3,284,309
8	Bites	Yummies	243,030	4,017,342
9	Other		93,928	1,188,208
10	Other	Delish	194,383	2,464,455
11	Other	Jucies	145,619	1,872,563
12	Other	Yummies	184,056	2,311,428

Panels

Intermediate SQL Queries

```
SELECT pr.Category, p.Team, SUM(Boxes), SUM(Amount)
FROM sales s
JOIN people p ON p.SPID = s.SPID
JOIN products pr ON pr.PID = s.PID
WHERE p.Team <> ''
GROUP BY pr.Category, p.Team
ORDER BY pr.Category, p.Team;
```

The screenshot shows a data analysis interface with a toolbar at the top and a results table below. The toolbar includes tabs for 'sales (+ 11)', 'sales 3', 'Results 3', 'Results 4', 'Results 5', 'geo 6', 'products (+ 7)', and 'products (+ 8)'. A search bar says 'Enter a SQL expression to filter results (use Ctrl+Space)'. The results table has columns: Category, Team, SUM(Boxes), and SUM(Amount). The data shows sales for three categories (Bars, Bites, Other) across three teams (Delish, Jucies, Yummies).

	ABC Category	ABC Team	123 SUM(Boxes)	123 SUM(Amount)
	Bars	Delish	456,609	6,862,975
	Bars	Jucies	340,348	5,113,521
	Bars	Yummies	406,265	6,201,601
	Bites	Delish	273,424	4,525,724
	Bites	Jucies	201,838	3,284,309
	Bites	Yummies	243,030	4,017,342
	Other	Delish	194,383	2,464,455
	Other	Jucies	145,619	1,872,563
	Other	Yummies	184,056	2,311,428

Intermediate SQL Queries

```
SELECT pr.Product, SUM(s.Amount) AS 'Total Amount'  
FROM sales s  
JOIN products pr ON pr.PID = s.PID  
GROUP BY pr.Product  
ORDER BY 'Total Amount' DESC  
LIMIT 10;
```

Results 4 | Results 5 | geo 6 | products(+) 7 | products(+) 8 | Results 9 | Results 10 | products 11 | products 12 X »3

'SELECT pr.Product, SUM(s.Amount) AS 'To' | Enter a SQL expression to filter results (use Ctrl+Space)

	ABC Product	123 Total Amount
1	Raspberry Choco	2,090,242
2	White Choc	1,913,296
3	99% Dark & Pure	2,023,070
4	Baker's Choco Chips	1,906,583
5	Manuka Honey Choco	1,965,089
6	85% Dark Bars	1,953,063
7	Organic Choco Syrup	2,016,707
8	Caramel Stuffed Bars	2,010,407
9	Milk Bars	1,989,078
10	Mint Chip Choco	1,871,751

Panels

ERD

