Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 9 (10 total, Query took 0.0010 seconds.) [title: **[BLOB - 148 B]... - [BLOB - 66 B]...**]

`-- Question 1 - Problem 1 SELECT title, author FROM data_science_books ORDER BY title LIMIT 10;`

title 1	author
100 Days of Code Learning Journal: Notebook for Py...	[Corinth Ruiz]
2Pack Reptile Plants Hanging Silk Terrarium Plants...	
3D Deep Learning with Python: Design and develop y...	[Xudong Ma, Vishakh Hegde, et al.]
53 Must Do Python Projects For All	[Edcorner Learning]
A Common-Sense Guide to Data Structures and Algori...	[Jay Wengrow]
A Hands-On Introduction to Data Science	[Chirag Shah]
A History of Data Visualization and Graphic Commun...	[Michael Friendly, and , Howard Wainer]
A Smarter Way to Learn Python: Learn it faster. Re...	[Mark Myers]
A Student's Guide to Python for Physical Modeling:...	[Jesse M. Kinder, and , Philip Nelson]
A Student's Guide to Python for Physical Modeling:...	[Jesse M. Kinder, and , Philip Nelson]

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 24 (257 total, Query took 0.0004 seconds.)

`-- Question 1 - Problem 2 SELECT * FROM data_science_books WHERE language = 'English' AND price BETWEEN 30 AND 50;`

title	author	price	price_used	pages	avg_reviews	n_reviews	sta
Head First Data Analysis: A learner's guide to big...		33.72	NULL	484	4.30	124	
Guerrilla Data Analysis Using Microsoft Excel: Ove...	[Oz du Soleil, and , Bill Jelen]	32.07	NULL	274	4.70	10	
SQL for Data Analysis: Advanced Techniques for Tra...	[Cathy Tanimura]	40.49	NULL	360	4.60	72	
Getting Started with Natural Language Processing	[Ekaterina Kochmar]	39.99	NULL	456	4.00	4	
Quantum Machine Learning and Optimisation in Finan...	[Antoine Jacquier, Oleksiy Kondratyev, et al.]	49.99	NULL	442	4.90	14	
Python for Algorithmic Trading: From Idea to Cloud...	[Yves Hilpisch]	44.49	NULL	380	4.30	102	
Practical Deep Learning: A Python-Based Introducti...	[Ronald T. Kneusel]	36.99	NULL	464	4.70	38	
Robust Python: Write Clean and Maintainable Code	[Patrick Viafore]	32.99	NULL	380	4.50	57	
Learning Spark: Lightning-Fast Data Analytics	[Jules Damji, Brooke Wenig, et al.]	40.99	NULL	397	4.70	171	
Applied Text Analysis with Python: Enabling Langua...	[Benjamin Bengfort, Rebecca Bilbro, et al.]	44.99	NULL	332	4.40	76	
Time Series Analysis with Python Cookbook: Practic...	[Tarek A. Atwan]	49.99	NULL	630	4.80	16	
Kafka: The Definitive Guide: Real-Time Data and St...	[Gwen Shapira, Todd Palino, et al.]	31.99	NULL	488	4.80	100	
Microsoft 365 Excel: The Only App That Matters: Ca...	[Mike Girvin]	34.95	NULL	824	5.00	63	
Software Architecture: The Hard Parts: Modern Trad...	[Neal Ford, Mark Richards, et al.]	30.99	NULL	459	4.60	232	
Thematic Analysis: A Practical Guide	[Virginia Braun, and , Victoria Clarke]	48.99	NULL	376	4.90	229	
CompTIA Data+ Study Guide: Exam	[Mike Chapple, and , Sharif Nijim]	34.49	NULL	368	4.60	44	

title	author	price	price_used	pages	avg_reviews	n_reviews	sta
DA0-001							
Analysis of Panel Data (Econometric Society Monogr...	[Cheng Hsiao]	45.98	NULL	500	0.00	0	
Decisions Over Decimals: Striking the Balance betw...	[Paul F. Magnone, Christopher J. Frank, et al.]	31.30	NULL	256	4.90	28	
Talent Intelligence: Use Business and People Data ...	[Toby Culshaw]	41.99	NULL	256	5.00	4	
Data-Driven Organization Design: Delivering Perpet...	[Rupert Morrison]	48.17	NULL	440	5.00	4	
Supervised Machine Learning for Text Analysis in R...		43.52	NULL	402	4.50	12	
Data for All	[John K. Thompson]	49.99	NULL	230	0.00	0	
An Introduction to R: Data Analysis and Visualizat...	[Mark Gardener]	37.99	NULL	384	0.00	0	
Categorical Data Analysis (Wiley Series in Probabi...	[Alan Agresti]	31.30	NULL	734	4.40	24	
Introduction to Machine Learning with R: Rigorous ...	[Scott V. Burger]	40.49	NULL	226	4.10	21	

> Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

> Showing rows 0 - 17 (18 total, Query took 0.0157 seconds.)

```
-- if you need just name book replase * -> title -- Question 1 - Problem 3 SELECT TRIM(LEFT(publisher, LOCATE('(', publisher) - 1)) AS publisher_name,
AVG(pages) AS avg_pages FROM data_science_books WHERE publisher IS NOT NULL AND publisher != '' GROUP BY publisher_name HAVING COUNT(title) > 5;
```

publisher_name	avg_pages
Addison-Wesley Professional; 1st edition	618.0000
Apress; 1st ed. edition	577.5000
Cambridge University Press; 1st edition	310.5000
Cambridge University Press; New edition	439.2857
Chapman and Hall/CRC; 1st edition	432.1579
For Dummies; 1st edition	384.0000
Independently published	225.4444
Manning	424.8125
No Starch Press	295.5882
No Starch Press; 1st edition	366.6667
O'Reilly Media; 1st edition	368.3333
O'Reilly Media; 2nd edition	515.4000
Packt Publishing	437.5676
Packt Publishing; 2nd ed. edition	488.5714
Pearson; 1st edition	609.3333
Princeton University Press	337.3333
SAGE Publications Ltd; 1st edition	364.0000
Wiley; 1st edition	317.7500

> Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

> Showing rows 0 - 4 (5 total, Query took 0.0023 seconds.) [avg_reviews: **5.00... - 5.00...**]

```
-- LOCATE: returns the position of the first "(" in the publisher string and -1 So you don't count ")" -- LEFT: takes the text from the start up to
just before the "(" -- TRIM: removes extra spaces from the start and end of the string -- Question 1 - Problem 4 SELECT title, avg_reviews FROM
data_science_books WHERE title LIKE '%Python%' ORDER BY avg_reviews DESC LIMIT 5;
```

title	avg_reviews 1
Python Programming for Beginners: Python Programmi...	5.00
Machine Learning Explained The Simple Way: A Begin...	5.00
Fundamentals of Music Processing: Using Python and...	5.00
Humanities Data Analysis: Case Studies with Python	5.00
Data Analysis from Scratch Python: 2 Books in 1: B...	5.00

> Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

> Showing rows 0 - 0 (1 total, Query took 0.0223 seconds.)

```
-- Question 1 - Problem 5 SELECT language, ROUND(SUM(star5) / SUM(n_reviews) * 100, 2) AS rate_star5 FROM data_science_books WHERE LANGUAGE IS NOT null
and LANGUAGE != '' GROUP BY language HAVING COUNT(*) >= 20;
```

language	rate_star5
English	74.76

> Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

> Showing rows 0 - 9 (10 total, Query took 0.0286 seconds.)

```
-- Question 1 - Problem 6 SELECT TRIM(SUBSTRING_INDEX(publisher, ';', 1)) AS A_publisher, COUNT(*) AS total_books, SUM(n_reviews) AS total_reviews,
ROUND(SUM(star5) / SUM(n_reviews) * 100, 2) AS rate_avg_star5 FROM data_science_books WHERE publisher IS NOT NULL AND publisher != '' GROUP BY
A_publisher HAVING COUNT(*) >= 10 AND rate_avg_star5 >= 30 ORDER BY rate_avg_star5 DESC;
```

A_publisher	total_books	total_reviews	rate_avg_star5 1
Chapman and Hall/CRC	22	241	414.52
Springer	22	571	236.08
SAGE Publications Ltd	12	466	162.02
Packt Publishing	27	1361	131.37
Cambridge University Press	17	1292	100.93
Wiley	29	2425	87.79
Manning	10	928	77.05
O'Reilly Media	78	10234	50.36
Pearson	12	1823	47.61
For Dummies	14	2505	34.13

> Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

> Showing rows 0 - 2 (3 total, Query took 0.0185 seconds.)

```
-- Question 1 - Problem 7 SELECT language, AVG(price / pages) AS avg_price_page FROM data_science_books WHERE pages IS NOT NULL AND pages > 0 GROUP BY
language ORDER BY avg_price_page DESC LIMIT 3;
```

language	avg_price_page 1
standard library	55.4800000000
This Python programming guide assumes certain leve...	0.1323840000
English	0.1249814518

> Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

> Showing rows 0 - 0 (1 total, Query took 0.0021 seconds.)

```
-- Question 1 - Problem 8 SELECT RIGHT(SUBSTRING_INDEX(SUBSTRING_INDEX(publisher, '(', -1), ')', 1), 4) AS pub_year, AVG(price) AS avg_price FROM
data_science_books WHERE price IS NOT NULL AND publisher LIKE '%(%' GROUP BY pub_year ORDER BY avg_price DESC LIMIT 1;
```

pub_year	avg_price
2009	206.302000

> Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

> Showing rows 0 - 24 (515 total, Query took 0.0201 seconds.)

```
-- RIGHT(str , n) take (n) of leater from (str) From the end of the text -- The SUBSTRING_INDEX Take a specific part of the text according to the
condition -- SUBSTRING_INDEX(str, delim, count) -- str: name Column -- dilim: The separator we want to use for the division -- count: How many words --
-1: means that we want the part after the last occurrence of the separator from the right. -- Question 1 - Problem 9 SELECT ds.publisher,
AVG(ds.avg_reviews) AS avg_rating, AVG(ds.avg_reviews) - overall.overall_avg AS difference FROM data_science_books ds, (SELECT AVG(avg_reviews) AS
overall_avg FROM data_science_books) AS overall GROUP BY ds.publisher HAVING difference >= 0.5 ORDER BY difference DESC;
```

publisher	avg_rating	difference 1
Cambridge University Press; 1st edition (March 24,...	5.000000	1.217590
Holy Macro! Books (August 1, 2022)	5.000000	1.217590
SAGE Publications Ltd; 1st edition (July 20, 2022)	5.000000	1.217590
Kogan Page; 1st edition (October 25, 2022)	5.000000	1.217590
Springer; 2nd ed. 2021 edition (April 10, 2021)	5.000000	1.217590
Kogan Page; 2nd edition (October 26, 2021)	5.000000	1.217590
The MIT Press; second edition (September 17, 2019)	5.000000	1.217590
Chapman and Hall/CRC; 1st edition (August 1, 2022)	5.000000	1.217590
Independently published (September 26, 2022)	5.000000	1.217590
Cambridge University Press; New edition (June 2, 2...	5.000000	1.217590
Independently published (December 5, 2022)	5.000000	1.217590
Springer; 2nd ed. 2021 edition (March 25, 2022)	5.000000	1.217590
Quickstudy; Updated edition (November 1, 2021)	5.000000	1.217590
CRC Press; 2nd edition (September 1, 2020)	5.000000	1.217590
Packt Publishing (February 14, 2022)	5.000000	1.217590
Cambridge University Press; New edition (October 2...	5.000000	1.217590

publisher	avg_rating	difference 1
Basic Books (December 6, 2022)	5.000000	1.217590
SAGE Publications Ltd; Second edition (May 31, 202...	5.000000	1.217590
Princeton University Press (January 12, 2021)	5.000000	1.217590
Independently published (October 28, 2022)	5.000000	1.217590
O'Reilly Media; 1st edition (September 20, 2022)	5.000000	1.217590
Springer; 2008th edition (June 10, 2008)	5.000000	1.217590
Addison-Wesley Professional; 1st edition (October ...	5.000000	1.217590
Cambridge University Press; New edition (April 28,...	5.000000	1.217590
Independently published (August 24, 2020)	5.000000	1.217590