

Haines Books Tables:

`h_authors * h_books * h_branches * h_book_authors * h_inventory * h_publishers`

1. List the average book price, lowest book price, and highest book price for all books. The price should be rounded to two decimals.

AVERAGE	LOWEST	HIGHEST
13.94	5.99	37.95

2. List the book code, book title, and units on hand for each book in branch number 3. Sort quantity on hand from high to low.

BOOK_CODE	TITLE	ON_HAND
9627	Song of Solomon	5
6128	Jazz	3
9701	The Grapes of Wrath	3
9882	Slay Ride	3
7405	East of Eden	2
079X	Second Wind	2
1351	Dreamcatcher: A Novel	2
2226	Harry Potter and the Prisoner of Azkaban	2
2766	Of Mice and Men	2
0378	Venice	2
3906	The Soul of a New Machine	2
8092	Godel, Escher, Bach	1

3. For each book, list the book code, book title, and publisher name. Order the results by publisher name.

PUBLISHER_NAME	BOOK_CODE	TITLE
-----	-----	-----
Back Bay Books	3906	The Soul of a New Machine
Basic Books	8092	Godel, Escher, Bach
Berkley Publishing	3350	Group: Six People in Search of a Life
Course Technology	669X	A Guide to SQL
Farrar Straus and Giroux	2908	Electric Light
Fawcett Books	0189	Magic Terror
HarperCollins Publishers	9931	To Kill a Mockingbird
Jove Publications	9882	Slay Ride
Jove Publications	8720	When Rabbit Howls
Jove Publications	0808	The Edge
LB Books	9883	The Catcher in the Rye
LB Books	6908	Franny and Zooey
LB Books	3743	Nine Stories
Penguin USA	7405	East of Eden
Penguin USA	9701	The Grapes of Wrath
Penguin USA	2766	Of Mice and Men
Penguin USA	5163	Travels with Charley
Plume	9627	Song of Solomon
Plume	138X	Beloved
Plume	6128	Jazz
Putnam Publishing Group	079X	Second Wind
Random House	9611	Black House
Scholastic Trade	7443	Harry Potter and the Goblet of Fire
Scholastic Trade	2226	Harry Potter and the Prisoner of Azkaban
Scribner	1351	Dreamcatcher: A Novel
Scribner	5790	Catch-22
Simon and Schuster	0378	Venice
Taunton Press	1382	Treasure Chests
Tor Books	0180	A Deepness in the Sky
Touchstone Books	6328	Band of Brothers
Vintage Books	0200	The Stranger
Vintage Books	7559	The Fall
Westview Press	2281	Van Gogh and Gauguin

4. List the book code and book title for each book whose price is more than \$10 *and* that was published in Boston. Sort by title in descending order.

BOOK_CODE	TITLE
-----	-----
3350	Group: Six People in Search of a Life
669X	A Guide to SQL

5. List the book title, book code, and price of each book published by LB Books that has a book type of FIC. Sort by book title.

TITLE	BOOK_CODE	PRICE
-----	-----	-----
Franny and Zooey	6908	5.99
Nine Stories	3743	5.99
The Catcher in the Rye	9883	5.99

6. List the title, book code, and price for each book located in branch number 3 and written by author 20. Sort by book title descending sequence.

TITLE	BOOK_CODE	PRICE
-----	-----	-----
The Grapes of Wrath	9701	13.00
Of Mice and Men	2766	6.95
East of Eden	7405	12.95

7. List book title, author last name, and units on hand for paperback books in branch number 4. Sort by title.

TITLE	AUTHOR_LAST	ON_HAND
-----	-----	-----
Catch-22	Heller	2
Song of Solomon	Morrison	2
The Catcher in the Rye	Salinger	2
The Grapes of Wrath	Steinbeck	2

8. List book title and author last name. Return **all** authors. Sequence is the order in which author names appear on the book cover. Sort sequence within book title.

TITLE	AUTHOR_LAST
-----	-----
A Deepness in the Sky	Vintage
A Guide to SQL	Pratt
Band of Brothers	Ambrose
Beloved	Morrison
Black House	King
Black House	Straub
Catch-22	Heller
Dreamcatcher: A Novel	King
East of Eden	Steinbeck
Electric Light	Heaney
Franny and Zooey	Salinger
Godel, Escher, Bach	Hofstadter
Group: Six People in Search of a Life	Solotaroff
Harry Potter and the Goblet of Fire	Rowling
Harry Potter and the Prisoner of Azkaban	Rowling
Jazz	Morrison
Magic Terror	Straub
Nine Stories	Salinger
Of Mice and Men	Steinbeck
Second Wind	Francis
Slay Ride	Francis
Song of Solomon	Morrison
The Catcher in the Rye	Salinger
The Edge	Francis
The Fall	Camus
The Grapes of Wrath	Steinbeck
The Soul of a New Machine	Kidder
The Stranger	Camus
To Kill a Mockingbird	Lee
Travels with Charley	Steinbeck
Treasure Chests	Schleining
Treasure Chests	O'Rourke
Van Gogh and Gauguin	Collins, Jr.
Van Gogh and Gauguin	Collins
Venice	Wills
When Rabbit Howls	Chase
NULL	Castelman
NULL	Owen

9. List author last name, author first name, book code, and book title. Return **all** authors that begin with the letter C. Sort title within author last name.

AUTHOR_LAST	AUTHOR_FIRST	BOOK_CODE	TITLE
-----	-----	-----	-----
Camus	Albert	7559	The Fall
Camus	Albert	0200	The Stranger
Castelman	Riva	NULL	NULL
Chase	Truddi	8720	When Rabbit Howls
Collins	Bradley	2281	Van Gogh and Gauguin
Collins, Jr.	Bradley	2281	Van Gogh and Gauguin

10. Return book type, book code, title, and price for each book whose price is more than \$10 *and* was published in Boston. Sort by title within book type descending.

BOOK_TYPE	BOOK_CODE	TITLE	PRICE
-----	-----	-----	-----
PSY	3350	Group: Six People in Search of a Life	10.40
CMP	669X	A Guide to SQL	37.95

11. List the book title for each book written by author number 18. Order by title descending.

TITLE
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The Stranger
The Fall

**\*\* Subqueries \*\***

12. Return book type, book code, book title, and price for each book whose price is greater than all ART book type book prices. Sort by title descending.

BOOK_TYPE	BOOK_CODE	TITLE	PRICE
-----	-----	-----	-----
MYS	079X	Second Wind	24.95
CMP	669X	A Guide to SQL	37.95

13. Return book type, book code, book title, and price for each book whose price is greater than the price of any book of book type ART. Sort by title descending.

BOOK_TYPE	BOOK_CODE	TITLE	PRICE
-----	-----	-----	-----
ART	0378	Venice	24.50
ART	1382	Treasure Chests	24.46
MYS	0808	The Edge	24.45
MYS	079X	Second Wind	24.95
CMP	669X	A Guide to SQL	37.95

14. Return book type, book title, and price for each book that has a price *greater than* the average price for books in the same book type. Sort price in descending order within book type.

BOOK_TYPE	TITLE	PRICE
-----	-----	-----
ART	Venice	24.50
ART	Treasure Chests	24.46
FIC	To Kill a Mockingbird	18.00
FIC	Song of Solomon	14.00
FIC	The Grapes of Wrath	13.00
FIC	East of Eden	12.95
FIC	Beloved	12.95
FIC	Jazz	12.95
FIC	Catch-22	12.00
HOR	Dreamcatcher: A Novel	19.60
HOR	Black House	18.81
MYS	Second Wind	24.95
MYS	The Edge	24.45
PSY	Group: Six People in Search of a Life	10.40
SFI	Harry Potter and the Goblet of Fire	18.16
SFI	Harry Potter and the Prisoner of Azkaban	13.96

**\*\* Views \*\***

15. Create a view called H\_JP\_VIEW view that includes book code, title, book type, and price for every book published by the publisher code JP.

Succeeded

16. Using the H\_JP\_VIEW, return book type, title, and price for every book with a price less than \$20.00. Sort by book type descending.

BOOK_TYPE	TITLE	PRICE
-----	-----	-----
PSY	When Rabbit Howls	6.29
MYS	Slay Ride	6.99

17. Write and execute the query that the DBMS actually executes from the previous question

BOOK_TYPE	TITLE	PRICE
-----	-----	-----
PSY	When Rabbit Howls	6.29
MYS	Slay Ride	6.99

**\*\* GROUP BY \*\*** Set LCPUBLIC as default schema

18. Display the book types and the number of books of each book type. Only include book types "SFI," "FIC," and "ART."

BOOK_TYPE	NUMBER
-----	-----
ART	3
FIC	13
SFI	3