**Queries**

1. Retrieve the first name and last name of each author in the author relation. Order does not matter. **(1 points)**

**SQL Statement:**

SELECT lastname, firstname

FROM author;

**Output:**

|  |  |
| --- | --- |
| Morrison | Toni |
| Solotaroff | Paul |
| Vintage | Vernor |
| Francis | Dick |
| Straub | Peter |
| King | Stephen |
| Pratt | Philip |
| Chase | Truddi |
| Collins | Bradley |
| Heller | Joseph |
| Wills | Gary |
| Hofstadter | Douglas R. |
| Lee | Harper |
| Ambrose | Stephen E. |
| Rowling | J.K. |
| Salinger | J.D. |
| Heaney | Seamus |
| Camus | Albert |
| Collins, Jr. | Bradley |
| Steinbeck | John |
| Castelman | Riva |
| Owen | Barbara |
| O'Rourke | Randy |
| Kidder | Tracy |
| Schleining | Lon |

1. Retrieve the title and book type in the book relation. Order does not matter. **(1 points)**

**SQL Statement:**

SELECT title, type

FROM book;

**Output:**

|  |  |
| --- | --- |
| A Deepness in the Sky | SFI |
| Magic Terror | HOR |
| The Stranger | FIC |
| Venice | ART |
| Second Wind | MYS |
| The Edge | MYS |
| Dreamcatcher: A Novel | HOR |
| Treasure Chests | ART |
| Beloved | FIC |
| Harry Potter and the Prisoner of Azkaban | SFI |
| Van Gogh and Gauguin | ART |
| Of Mice and Men | FIC |
| Electric Light | POE |
| Group: Six People in Search of a Life | PSY |
| Nine Stories | FIC |
| The Soul of a New Machine | SCI |
| Travels with Charley | TRA |
| Catch-22 | FIC |
| Jazz | FIC |
| Band of Brothers | HIS |
| A Guide to SQL | CMP |
| Franny and Zooey | FIC |
| East of Eden | FIC |
| Harry Potter and the Goblet of Fire | SFI |
| The Fall | FIC |
| Godel, Escher, Bach | PHI |
| When Rabbit Howls | PSY |
| Black House | HOR |
| Song of Solomon | FIC |
| The Grapes of Wrath | FIC |
| Slay Ride | MYS |
| The Catcher in the Rye | FIC |
| To Kill a Mockingbird | FIC |

1. Retrieve the publisherCode in the book relation. List each publisherCode only once in the result. Order does not matter. **(1 points)**

**SQL Statement:**

SELECT DISTINCT publisherCode

FROM book;

**Output:**

|  |
| --- |
| BA |
| BP |
| BY |
| CT |
| FA |
| FS |
| HC |
| JP |
| LB |
| PE |
| PL |
| PU |
| RH |
| SC |
| SS |
| ST |
| TA |
| TB |
| TO |
| VB |
| WP |

1. Retrieve the title and price of each book in the book relation. Further add a calculated column named ‘discount’ that shows the price the book with 25% discount. Order does not matter. Show the first five rows of the result. **(2 points)**

**SQL Statement:**

SELECT title, price, (price \* 0.75) AS discount

FROM book;

**Output:**

|  |  |  |
| --- | --- | --- |
| A Deepness in the Sky | 7.19 | 5.3925 |
| Magic Terror | 7.99 | 5.9925 |
| The Stranger | 8.00 | 6.0000 |
| Venice | 24.50 | 18.3750 |
| Second Wind | 24.95 | 18.7125 |

1. Retrieve the title and price for any book whose price is higher than $20.00 in the book relation. Show the full result. **(2 points)**

**SQL Statement:**

SELECT title, price

FROM book

WHERE price > 20.00;

**Output:**

|  |  |
| --- | --- |
| Venice | 24.50 |
| Second Wind | 24.95 |
| Treasure Chests | 24.46 |
| Van Gogh and Gauguin | 21.00 |
| A Guide to SQL | 37.95 |

1. Retrieve the publisherName of all publishers that are in New York only in the publisher relation. Order does not matter. **(2 points)**

**SQL Statement:**

SELECT publisherName

FROM publisher

WHERE city = "New York";

**Output:**

|  |
| --- |
| Arcade Publishing |
| Back Bay books |
| Fawcett books |
| Farrar Straus and Giroux |
| HarperCollins publishers |
| Jove Publications |
| Lb books |
| Penguin USA |
| Plume |
| Putnam Publishing Group |
| Random House |
| Schoken books |
| Scribner |
| Simon and Schuster |
| SchoLASTic Trade |
| Tor books |
| Thames and Hudson |
| Vintage books |
| W.W. Norton |

1. Retrieve the publisherName of all publishers that are not in New York in the publisher relation. (use != for inequality). Order does not matter. Show the full result. **(3 points)**

**SQL Statement:**

SELECT publisherName

FROM publisher

WHERE city != "New York";

**Output:**

|  |
| --- |
| Arkham House |
| Basic books |
| Berkley Publishing |
| Course Technology |
| Jeremy P. Tarcher |
| McPherson and Co. |
| Taunton Press |
| Touchstone books |
| Westview Press |

1. Retrieve the bookCode and onHand for each book for which a branch has between 2 and 4 copies in the inventory relation. **Use the BETWEEN keyword in this query.** Order does not matter. Show the full result. **(3 points)**

**SQL Statement:**

SELECT bookCode, onHand

FROM inventory

WHERE onHand BETWEEN 2 AND 4;

**Output:**

|  |  |
| --- | --- |
| 0180 | 2 |
| 0189 | 2 |
| 0200 | 3 |
| 0378 | 2 |
| 079X | 2 |
| 079X | 3 |
| 1351 | 4 |
| 1351 | 2 |
| 138X | 3 |
| 2226 | 3 |
| 2226 | 2 |
| 2281 | 3 |
| 2766 | 2 |
| 2908 | 3 |
| 3350 | 2 |
| 3906 | 2 |
| 5790 | 2 |
| 6128 | 4 |
| 6128 | 3 |
| 6328 | 2 |
| 6908 | 2 |
| 7405 | 2 |
| 7559 | 2 |
| 8720 | 3 |
| 9611 | 2 |
| 9627 | 2 |
| 9701 | 2 |
| 9701 | 3 |
| 9701 | 2 |
| 9882 | 3 |
| 9883 | 3 |
| 9883 | 2 |
| 9931 | 2 |

1. Retrieve the title and type for each book in the book relation in which the type is SFI, HOR, ART or PSY. **Use the IN operator for this query.** Order the result by type ascending. Show the first five rows of the result. **(3 points)**

**SQL Statement:**

SELECT title, type

FROM book

WHERE type IN("SFI", "HOR", "ART", "PSY")

ORDER BY type ASC;

**Output:**

|  |  |
| --- | --- |
| Venice | ART |
| Treasure Chests | ART |
| Van Gogh and Gauguin | ART |
| Magic Terror | HOR |
| Dreamcatcher: A Novel | HOR |

1. Retrieve the title for each book in the book relation that begins with the word “The”. Order the result by title ascending. Show the full result. **(3 points)**

**SQL Statement:**

SELECT title

FROM book

WHERE title LIKE ("The %");

**Output:**

|  |
| --- |
| The Stranger |
| The Edge |
| The Soul of a New Machine |
| The Fall |
| The Grapes of Wrath |
| The Catcher in the Rye |

1. Retrieve the title for each book in the book relation that doesn’t have a type. Order the result by title ascending. Show the full result. **(3 points)**

**SQL Statement:**

SELECT title

FROM book

WHERE title LIKE (null);

**Output:**

Empty table

1. Retrieve all of the columns from the author relation. Order the results by the authors lastName descending. **(3 points)**

**SQL Statement:**

SELECT \*

FROM author

ORDER BY lastName DESC;

**Output:**

|  |  |  |
| --- | --- | --- |
| 11 | Wills | Gary |
| 3 | Vintage | Vernor |
| 5 | Straub | Peter |
| 20 | Steinbeck | John |
| 2 | Solotaroff | Paul |
| 25 | Schleining | Lon |
| 16 | Salinger | J.D. |
| 15 | Rowling | J.K. |
| 7 | Pratt | Philip |
| 22 | Owen | Barbara |
| 23 | O'Rourke | Randy |
| 1 | Morrison | Toni |
| 13 | Lee | Harper |
| 6 | King | Stephen |
| 24 | Kidder | Tracy |
| 12 | Hofstadter | Douglas R. |
| 10 | Heller | Joseph |
| 17 | Heaney | Seamus |
| 4 | Francis | Dick |
| 19 | Collins, Jr. | Bradley |
| 9 | Collins | Bradley |
| 8 | Chase | Truddi |
| 21 | Castelman | Riva |
| 18 | Camus | Albert |
| 14 | Ambrose | Stephen E. |
|  |  |  |

1. Retrieve the title and type from the book relation. Order the results first by type and then by title. Both sort keys should be ascending order. Show the first five rows of the result. **(3 points)**

**SQL Statement:**

SELECT title, type

FROM book

ORDER BY type ASC, title ASC;

**Output:**

|  |  |
| --- | --- |
| Treasure Chests | ART |
| Van Gogh and Gauguin | ART |
| Venice | ART |
| A Guide to SQL | CMP |
| Beloved | FIC |

1. Retrieve a count of the number of books published by Penguin USA. Name the column ‘Penguin Books’. Order does not matter. Show your full result. **(3 points)**

**SQL Statement:**

SELECT COUNT(publisherCode) AS Penguin\_Books

FROM book

Where publisherCode = "PE";

**Output:**

4

1. Retrieve the publisherCode and the number of books from publisher from the book relation. Order the result by the count in descending order. Show the first five rows of the result. **(3 points)**

**SQL Statement:**

SELECT publisherCode, COUNT(publisherCode) AS number\_of\_books

FROM book

GROUP BY publisherCode

ORDER BY number\_of\_books DESC;

**Output:**

|  |  |
| --- | --- |
| PE | 4 |
| JP | 3 |
| LB | 3 |
| PL | 3 |
| SC | 2 |

1. Retrieve the publisherCode and the number of books from that publisher from the book relation. Order the results by publisherCode and only show publishers who have 3 or more books in the relation. **Hint: will need to use the HAVING keyword.** Show your full result. **(3 points)**

**SQL Statement:**

SELECT publisherCode, COUNT(publisherCode) AS number\_of\_books

FROM book

GROUP BY publisherCode

HAVING number\_of\_books >= 3

ORDER BY publisherCode DESC;

**Output:**

|  |  |
| --- | --- |
| PL | 3 |
| PE | 4 |
| LB | 3 |
| JP | 3 |

1. Retrieve the number of books in the book relation whose prices is $20.00 or lower. Order does not matter. Show your full result. **(3 points)**

**SQL Statement:**

SELECT COUNT(title)

FROM book

WHERE price <= 20;

**Output:**

28

1. Retrieve the title of the most expensive book in the book relation. Use a subquery for this problem. Show your full result. **(3 points)**

**SQL Statement:**

SELECT title

FROM book

WHERE price = (

SELECT MAX(price)

FROM book);

**Output:**

A Guide to SQL

1. Retrieve the title of the least expensive book in the book relation. Use a subquery for this problem. Show your full result. **(3 points)**

**SQL Statement:**

SELECT title

FROM book

WHERE price = (

SELECT MIN(price)

FROM book);

**Output:**

|  |
| --- |
| Nine Stories |
| Franny and Zooey |
| The Catcher in the Rye |

1. Retrieve the title of all books in the book relation that are not published in New York. Order result by the city ascending. Use a subquery for this query. **(5 points)**

**SQL Statement:**

SELECT DISTINCT title, city

FROM book b, publisher p

WHERE city != (

SELECT DISTINCT city

FROM publisher

WHERE city = "New York")

ORDER BY city ASC;

**Output:**

|  |  |
| --- | --- |
| When Rabbit Howls | Boston |
| Travels with Charley | Boston |
| The Stranger | Boston |
| Harry Potter and the Prisoner of Azkaban | Boston |
| The Grapes of Wrath | Boston |
| A Deepness in the Sky | Boston |
| The Soul of a New Machine | Boston |
| Electric Light | Boston |
| The Fall | Boston |
| Song of Solomon | Boston |
| Of Mice and Men | Boston |
| Godel, Escher, Bach | Boston |
| Magic Terror | Boston |
| Van Gogh and Gauguin | Boston |
| Second Wind | Boston |
| Black House | Boston |
| Venice | Boston |
| Catch-22 | Boston |
| Harry Potter and the Goblet of Fire | Boston |
| East of Eden | Boston |
| The Edge | Boston |
| Group: Six People in Search of a Life | Boston |
| Franny and Zooey | Boston |
| Dreamcatcher: A Novel | Boston |
| A Guide to SQL | Boston |
| Slay Ride | Boston |
| Nine Stories | Boston |
| Band of Brothers | Boston |
| Treasure Chests | Boston |
| To Kill a Mockingbird | Boston |
| Jazz | Boston |
| Beloved | Boston |
| The Catcher in the Rye | Boston |
| Electric Light | Boulder CO |
| A Deepness in the Sky | Boulder CO |
| The Edge | Boulder CO |
| Group: Six People in Search of a Life | Boulder CO |
| Harry Potter and the Goblet of Fire | Boulder CO |
| Slay Ride | Boulder CO |
| Travels with Charley | Boulder CO |
| Van Gogh and Gauguin | Boulder CO |
| East of Eden | Boulder CO |
| Dreamcatcher: A Novel | Boulder CO |
| Magic Terror | Boulder CO |
| The Grapes of Wrath | Boulder CO |
| Nine Stories | Boulder CO |
| Franny and Zooey | Boulder CO |
| Jazz | Boulder CO |
| Song of Solomon | Boulder CO |
| The Stranger | Boulder CO |
| Catch-22 | Boulder CO |
| A Guide to SQL | Boulder CO |
| Of Mice and Men | Boulder CO |
| Black House | Boulder CO |
| Venice | Boulder CO |
| The Soul of a New Machine | Boulder CO |
| Beloved | Boulder CO |
| Treasure Chests | Boulder CO |
| When Rabbit Howls | Boulder CO |
| Godel, Escher, Bach | Boulder CO |
| To Kill a Mockingbird | Boulder CO |
| Second Wind | Boulder CO |
| The Fall | Boulder CO |
| Harry Potter and the Prisoner of Azkaban | Boulder CO |
| The Catcher in the Rye | Boulder CO |
| Band of Brothers | Boulder CO |
| When Rabbit Howls | Kingston |
| Black House | Kingston |
| A Deepness in the Sky | Kingston |
| Song of Solomon | Kingston |
| The Grapes of Wrath | Kingston |
| Treasure Chests | Kingston |
| Slay Ride | Kingston |
| Magic Terror | Kingston |
| The Catcher in the Rye | Kingston |
| To Kill a Mockingbird | Kingston |
| Beloved | Kingston |
| Harry Potter and the Prisoner of Azkaban | Kingston |
| The Stranger | Kingston |
| Van Gogh and Gauguin | Kingston |
| Of Mice and Men | Kingston |
| Electric Light | Kingston |
| Group: Six People in Search of a Life | Kingston |
| Venice | Kingston |
| Nine Stories | Kingston |
| The Soul of a New Machine | Kingston |
| Travels with Charley | Kingston |
| Catch-22 | Kingston |
| Second Wind | Kingston |
| Jazz | Kingston |
| Band of Brothers | Kingston |
| A Guide to SQL | Kingston |
| Franny and Zooey | Kingston |
| The Edge | Kingston |
| East of Eden | Kingston |
| Harry Potter and the Goblet of Fire | Kingston |
| The Fall | Kingston |
| Godel, Escher, Bach | Kingston |
| Dreamcatcher: A Novel | Kingston |
| Electric Light | Los Angeles |
| To Kill a Mockingbird | Los Angeles |
| A Deepness in the Sky | Los Angeles |
| Beloved | Los Angeles |
| East of Eden | Los Angeles |
| The Catcher in the Rye | Los Angeles |
| Magic Terror | Los Angeles |
| Band of Brothers | Los Angeles |
| Jazz | Los Angeles |
| Harry Potter and the Prisoner of Azkaban | Los Angeles |
| The Stranger | Los Angeles |
| Nine Stories | Los Angeles |
| The Grapes of Wrath | Los Angeles |
| Travels with Charley | Los Angeles |
| Venice | Los Angeles |
| Song of Solomon | Los Angeles |
| A Guide to SQL | Los Angeles |
| The Fall | Los Angeles |
| Second Wind | Los Angeles |
| Slay Ride | Los Angeles |
| Van Gogh and Gauguin | Los Angeles |
| Black House | Los Angeles |
| The Edge | Los Angeles |
| Harry Potter and the Goblet of Fire | Los Angeles |
| The Soul of a New Machine | Los Angeles |
| Franny and Zooey | Los Angeles |
| Dreamcatcher: A Novel | Los Angeles |
| When Rabbit Howls | Los Angeles |
| Of Mice and Men | Los Angeles |
| Group: Six People in Search of a Life | Los Angeles |
| Treasure Chests | Los Angeles |
| Godel, Escher, Bach | Los Angeles |
| Catch-22 | Los Angeles |
| Song of Solomon | Newtown CT |
| A Deepness in the Sky | Newtown CT |
| The Fall | Newtown CT |
| Electric Light | Newtown CT |
| Magic Terror | Newtown CT |
| Godel, Escher, Bach | Newtown CT |
| When Rabbit Howls | Newtown CT |
| The Stranger | Newtown CT |
| Of Mice and Men | Newtown CT |
| Black House | Newtown CT |
| Venice | Newtown CT |
| Van Gogh and Gauguin | Newtown CT |
| Franny and Zooey | Newtown CT |
| Second Wind | Newtown CT |
| The Grapes of Wrath | Newtown CT |
| Jazz | Newtown CT |
| The Edge | Newtown CT |
| Slay Ride | Newtown CT |
| Travels with Charley | Newtown CT |
| Dreamcatcher: A Novel | Newtown CT |
| Harry Potter and the Prisoner of Azkaban | Newtown CT |
| The Catcher in the Rye | Newtown CT |
| Treasure Chests | Newtown CT |
| To Kill a Mockingbird | Newtown CT |
| The Soul of a New Machine | Newtown CT |
| Beloved | Newtown CT |
| Band of Brothers | Newtown CT |
| A Guide to SQL | Newtown CT |
| Nine Stories | Newtown CT |
| East of Eden | Newtown CT |
| Catch-22 | Newtown CT |
| Group: Six People in Search of a Life | Newtown CT |
| Harry Potter and the Goblet of Fire | Newtown CT |
| Second Wind | Sauk city WI |
| A Deepness in the Sky | Sauk city WI |
| The Fall | Sauk city WI |
| Magic Terror | Sauk city WI |
| East of Eden | Sauk city WI |
| The Stranger | Sauk city WI |
| Song of Solomon | Sauk city WI |
| Venice | Sauk city WI |
| Jazz | Sauk city WI |
| Harry Potter and the Goblet of Fire | Sauk city WI |
| The Edge | Sauk city WI |
| Harry Potter and the Prisoner of Azkaban | Sauk city WI |
| Dreamcatcher: A Novel | Sauk city WI |
| The Grapes of Wrath | Sauk city WI |
| Treasure Chests | Sauk city WI |
| Band of Brothers | Sauk city WI |
| Beloved | Sauk city WI |
| Franny and Zooey | Sauk city WI |
| Slay Ride | Sauk city WI |
| The Soul of a New Machine | Sauk city WI |
| Catch-22 | Sauk city WI |
| Group: Six People in Search of a Life | Sauk city WI |
| Electric Light | Sauk city WI |
| When Rabbit Howls | Sauk city WI |
| Nine Stories | Sauk city WI |
| A Guide to SQL | Sauk city WI |
| Travels with Charley | Sauk city WI |
| To Kill a Mockingbird | Sauk city WI |
| The Catcher in the Rye | Sauk city WI |
| Van Gogh and Gauguin | Sauk city WI |
| Black House | Sauk city WI |
| Of Mice and Men | Sauk city WI |
| Godel, Escher, Bach | Sauk city WI |
| Magic Terror | Westport CT |
| The Stranger | Westport CT |
| Venice | Westport CT |
| The Edge | Westport CT |
| Dreamcatcher: A Novel | Westport CT |
| Treasure Chests | Westport CT |
| Beloved | Westport CT |
| A Deepness in the Sky | Westport CT |
| When Rabbit Howls | Westport CT |
| The Fall | Westport CT |
| Of Mice and Men | Westport CT |
| Group: Six People in Search of a Life | Westport CT |
| Catch-22 | Westport CT |
| Franny and Zooey | Westport CT |
| Nine Stories | Westport CT |
| Song of Solomon | Westport CT |
| Jazz | Westport CT |
| Harry Potter and the Goblet of Fire | Westport CT |
| Black House | Westport CT |
| Harry Potter and the Prisoner of Azkaban | Westport CT |
| The Catcher in the Rye | Westport CT |
| A Guide to SQL | Westport CT |
| Travels with Charley | Westport CT |
| Van Gogh and Gauguin | Westport CT |
| The Grapes of Wrath | Westport CT |
| Slay Ride | Westport CT |
| Band of Brothers | Westport CT |
| To Kill a Mockingbird | Westport CT |
| East of Eden | Westport CT |
| Electric Light | Westport CT |
| The Soul of a New Machine | Westport CT |
| Godel, Escher, Bach | Westport CT |
| Second Wind | Westport CT |

1. Retrieve all of the columns from the book and publisher relations in one result. Use aliases in your query and use the simple JOIN syntax. Order does not matter. **(5 points)**

**SQL Statement:**

SELECT DISTINCT \*

FROM book b, publisher p

WHERE b.publisherCode = p.publisherCode;

**Output:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0180 | A Deepness in the Sky | TB | SFI | 7.19 | Y | TB | Tor books | New York |
| 0189 | Magic Terror | FA | HOR | 7.99 | Y | FA | Fawcett books | New York |
| 0200 | The Stranger | VB | FIC | 8.00 | Y | VB | Vintage books | New York |
| 0378 | Venice | SS | ART | 24.50 | N | SS | Simon and Schuster | New York |
| 079X | Second Wind | PU | MYS | 24.95 | N | PU | Putnam Publishing Group | New York |
| 0808 | The Edge | JP | MYS | 6.99 | Y | JP | Jove Publications | New York |
| 1351 | Dreamcatcher: A Novel | SC | HOR | 19.60 | N | SC | Scribner | New York |
| 1382 | Treasure Chests | TA | ART | 24.46 | N | TA | Taunton Press | Newtown CT |
| 138X | Beloved | PL | FIC | 12.95 | Y | PL | Plume | New York |
| 2226 | Harry Potter and the Prisoner of Azkaban | ST | SFI | 13.96 | N | ST | SchoLASTic Trade | New York |
| 2281 | Van Gogh and Gauguin | WP | ART | 21.00 | N | WP | Westview Press | Boulder CO |
| 2766 | Of Mice and Men | PE | FIC | 6.95 | Y | PE | Penguin USA | New York |
| 2908 | Electric Light | FS | POE | 14.00 | N | FS | Farrar Straus and Giroux | New York |
| 3350 | Group: Six People in Search of a Life | BP | PSY | 10.40 | Y | BP | Berkley Publishing | Boston |
| 3743 | Nine Stories | LB | FIC | 5.99 | Y | LB | Lb books | New York |
| 3906 | The Soul of a New Machine | BY | SCI | 11.16 | Y | BY | Back Bay books | New York |
| 5163 | Travels with Charley | PE | TRA | 7.95 | Y | PE | Penguin USA | New York |
| 5790 | Catch-22 | SC | FIC | 12.00 | Y | SC | Scribner | New York |
| 6128 | Jazz | PL | FIC | 12.95 | Y | PL | Plume | New York |
| 6328 | Band of Brothers | TO | HIS | 9.60 | Y | TO | Touchstone books | Westport CT |
| 669X | A Guide to SQL | CT | CMP | 37.95 | Y | CT | Course Technology | Boston |
| 6908 | Franny and Zooey | LB | FIC | 5.99 | Y | LB | Lb books | New York |
| 7405 | East of Eden | PE | FIC | 12.95 | Y | PE | Penguin USA | New York |
| 7443 | Harry Potter and the Goblet of Fire | ST | SFI | 18.16 | N | ST | SchoLASTic Trade | New York |
| 7559 | The Fall | VB | FIC | 8.00 | Y | VB | Vintage books | New York |
| 8092 | Godel, Escher, Bach | BA | PHI | 14.00 | Y | BA | Basic books | Boulder CO |
| 8720 | When Rabbit Howls | JP | PSY | 6.29 | Y | JP | Jove Publications | New York |
| 9611 | Black House | RH | HOR | 18.81 | N | RH | Random House | New York |
| 9627 | Song of Solomon | PL | FIC | 14.00 | Y | PL | Plume | New York |
| 9701 | The Grapes of Wrath | PE | FIC | 13.00 | Y | PE | Penguin USA | New York |
| 9882 | Slay Ride | JP | MYS | 6.99 | Y | JP | Jove Publications | New York |
| 9883 | The Catcher in the Rye | LB | FIC | 5.99 | Y | LB | Lb books | New York |
| 9931 | To Kill a Mockingbird | HC | FIC | 18.00 | N | HC | HarperCollins publishers | New York |

1. Rewrite the previous query using the ON keyword. **(5 points)**

**SQL Statement:**

SELECT DISTINCT \*

FROM book b

JOIN publisher p ON b.publisherCode = p.publisherCode;

**Output:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0180 | A Deepness in the Sky | TB | SFI | 7.19 | Y | TB | Tor books | New York |
| 0189 | Magic Terror | FA | HOR | 7.99 | Y | FA | Fawcett books | New York |
| 0200 | The Stranger | VB | FIC | 8.00 | Y | VB | Vintage books | New York |
| 0378 | Venice | SS | ART | 24.50 | N | SS | Simon and Schuster | New York |
| 079X | Second Wind | PU | MYS | 24.95 | N | PU | Putnam Publishing Group | New York |
| 0808 | The Edge | JP | MYS | 6.99 | Y | JP | Jove Publications | New York |
| 1351 | Dreamcatcher: A Novel | SC | HOR | 19.60 | N | SC | Scribner | New York |
| 1382 | Treasure Chests | TA | ART | 24.46 | N | TA | Taunton Press | Newtown CT |
| 138X | Beloved | PL | FIC | 12.95 | Y | PL | Plume | New York |
| 2226 | Harry Potter and the Prisoner of Azkaban | ST | SFI | 13.96 | N | ST | SchoLASTic Trade | New York |
| 2281 | Van Gogh and Gauguin | WP | ART | 21.00 | N | WP | Westview Press | Boulder CO |
| 2766 | Of Mice and Men | PE | FIC | 6.95 | Y | PE | Penguin USA | New York |
| 2908 | Electric Light | FS | POE | 14.00 | N | FS | Farrar Straus and Giroux | New York |
| 3350 | Group: Six People in Search of a Life | BP | PSY | 10.40 | Y | BP | Berkley Publishing | Boston |
| 3743 | Nine Stories | LB | FIC | 5.99 | Y | LB | Lb books | New York |
| 3906 | The Soul of a New Machine | BY | SCI | 11.16 | Y | BY | Back Bay books | New York |
| 5163 | Travels with Charley | PE | TRA | 7.95 | Y | PE | Penguin USA | New York |
| 5790 | Catch-22 | SC | FIC | 12.00 | Y | SC | Scribner | New York |
| 6128 | Jazz | PL | FIC | 12.95 | Y | PL | Plume | New York |
| 6328 | Band of Brothers | TO | HIS | 9.60 | Y | TO | Touchstone books | Westport CT |
| 669X | A Guide to SQL | CT | CMP | 37.95 | Y | CT | Course Technology | Boston |
| 6908 | Franny and Zooey | LB | FIC | 5.99 | Y | LB | Lb books | New York |
| 7405 | East of Eden | PE | FIC | 12.95 | Y | PE | Penguin USA | New York |
| 7443 | Harry Potter and the Goblet of Fire | ST | SFI | 18.16 | N | ST | SchoLASTic Trade | New York |
| 7559 | The Fall | VB | FIC | 8.00 | Y | VB | Vintage books | New York |
| 8092 | Godel, Escher, Bach | BA | PHI | 14.00 | Y | BA | Basic books | Boulder CO |
| 8720 | When Rabbit Howls | JP | PSY | 6.29 | Y | JP | Jove Publications | New York |
| 9611 | Black House | RH | HOR | 18.81 | N | RH | Random House | New York |
| 9627 | Song of Solomon | PL | FIC | 14.00 | Y | PL | Plume | New York |
| 9701 | The Grapes of Wrath | PE | FIC | 13.00 | Y | PE | Penguin USA | New York |
| 9882 | Slay Ride | JP | MYS | 6.99 | Y | JP | Jove Publications | New York |
| 9883 | The Catcher in the Rye | LB | FIC | 5.99 | Y | LB | Lb books | New York |
| 9931 | To Kill a Mockingbird | HC | FIC | 18.00 | N | HC | HarperCollins publishers | New York |

1. Retrieve the title from the book relation and the city from the publisher relation using a JOIN query. Use aliases in your query. Order the result by title. **(5 points)**

**SQL Statement:**

SELECT title, city

FROM book b

JOIN publisher p ON b.publisherCode = p.publisherCode

ORDER BY title;

**Output:**

|  |  |
| --- | --- |
| A Deepness in the Sky | New York |
| A Guide to SQL | Boston |
| Band of Brothers | Westport CT |
| Beloved | New York |
| Black House | New York |
| Catch-22 | New York |
| Dreamcatcher: A Novel | New York |
| East of Eden | New York |
| Electric Light | New York |
| Franny and Zooey | New York |
| Godel, Escher, Bach | Boulder CO |
| Group: Six People in Search of a Life | Boston |
| Harry Potter and the Goblet of Fire | New York |
| Harry Potter and the Prisoner of Azkaban | New York |
| Jazz | New York |
| Magic Terror | New York |
| Nine Stories | New York |
| Of Mice and Men | New York |
| Second Wind | New York |
| Slay Ride | New York |
| Song of Solomon | New York |
| The Catcher in the Rye | New York |
| The Edge | New York |
| The Fall | New York |
| The Grapes of Wrath | New York |
| The Soul of a New Machine | New York |
| The Stranger | New York |
| To Kill a Mockingbird | New York |
| Travels with Charley | New York |
| Treasure Chests | Newtown CT |
| Van Gogh and Gauguin | Boulder CO |
| Venice | New York |
| When Rabbit Howls | New York |

1. Retrieve the title from the book relation and the author lastName from the author relation. Order by author lastName. Use aliases in your query. **This will involve JOINING the book, author and wrote relations.** **(5 points)**

**SQL Statement:**

SELECT b.title, a.lastName

FROM book b

JOIN wrote w ON b.bookCode = w.bookCode

JOIN author a ON w.authorNum = a.authorNum

ORDER BY lastName;

**Output:**

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

1. Retrieve the title from the book relation and branchNum and onHand from the inventory relation. Use aliases in your query. Order the result by title. **(5 points)**

**SQL Statement:**

SELECT b.title, i.branchNum, i.onHand

FROM book b

JOIN inventory i ON b.bookCode = i.bookCode

ORDER BY title;

**Output:**

|  |  |  |
| --- | --- | --- |
| A Deepness in the Sky | 1 | 2 |
| A Guide to SQL | 1 | 1 |
| Band of Brothers | 2 | 2 |
| Beloved | 2 | 3 |
| Black House | 1 | 2 |
| Catch-22 | 4 | 2 |
| Dreamcatcher: A Novel | 2 | 4 |
| Dreamcatcher: A Novel | 3 | 2 |
| East of Eden | 3 | 2 |
| Electric Light | 1 | 3 |
| Electric Light | 4 | 1 |
| Franny and Zooey | 2 | 2 |
| Godel, Escher, Bach | 3 | 1 |
| Group: Six People in Search of a Life | 1 | 2 |
| Harry Potter and the Goblet of Fire | 4 | 1 |
| Harry Potter and the Prisoner of Azkaban | 1 | 3 |
| Harry Potter and the Prisoner of Azkaban | 3 | 2 |
| Harry Potter and the Prisoner of Azkaban | 4 | 1 |
| Jazz | 2 | 4 |
| Jazz | 3 | 3 |
| Magic Terror | 2 | 2 |
| Nine Stories | 2 | 1 |
| Of Mice and Men | 3 | 2 |
| Second Wind | 2 | 1 |
| Second Wind | 3 | 2 |
| Second Wind | 4 | 3 |
| Slay Ride | 3 | 3 |
| Song of Solomon | 3 | 5 |
| Song of Solomon | 4 | 2 |
| The Catcher in the Rye | 2 | 3 |
| The Catcher in the Rye | 4 | 2 |
| The Edge | 2 | 1 |
| The Fall | 2 | 2 |
| The Grapes of Wrath | 1 | 2 |
| The Grapes of Wrath | 2 | 1 |
| The Grapes of Wrath | 3 | 3 |
| The Grapes of Wrath | 4 | 2 |
| The Soul of a New Machine | 2 | 1 |
| The Soul of a New Machine | 3 | 2 |
| The Stranger | 1 | 1 |
| The Stranger | 2 | 3 |
| To Kill a Mockingbird | 1 | 2 |
| Travels with Charley | 1 | 1 |
| Treasure Chests | 2 | 1 |
| Van Gogh and Gauguin | 4 | 3 |
| Venice | 3 | 2 |
| When Rabbit Howls | 1 | 3 |

1. Retrieve the title from the book relation, the branchName from the branch relation and number of copies onHand from the inventory relation. Use aliases in your query. Order the result by title ascending. **(5 points)**

**SQL Statement:**

SELECT b.title, br.branchName, i.onHand

FROM book b

JOIN inventory i ON b.bookCode = i.bookCode

JOIN branch br ON i.branchNum = br.branchNum

ORDER BY title ASC;

**Output:**

|  |  |  |
| --- | --- | --- |
| A Deepness in the Sky | Henry Downtown | 2 |
| A Guide to SQL | Henry Downtown | 1 |
| Band of Brothers | Henry On The Hill | 2 |
| Beloved | Henry On The Hill | 3 |
| Black House | Henry Downtown | 2 |
| Catch-22 | Henry Eastshore | 2 |
| Dreamcatcher: A Novel | Henry On The Hill | 4 |
| Dreamcatcher: A Novel | Henry Brentwood | 2 |
| East of Eden | Henry Brentwood | 2 |
| Electric Light | Henry Eastshore | 1 |
| Electric Light | Henry Downtown | 3 |
| Franny and Zooey | Henry On The Hill | 2 |
| Godel, Escher, Bach | Henry Brentwood | 1 |
| Group: Six People in Search of a Life | Henry Downtown | 2 |
| Harry Potter and the Goblet of Fire | Henry Eastshore | 1 |
| Harry Potter and the Prisoner of Azkaban | Henry Downtown | 3 |
| Harry Potter and the Prisoner of Azkaban | Henry Brentwood | 2 |
| Harry Potter and the Prisoner of Azkaban | Henry Eastshore | 1 |
| Jazz | Henry Brentwood | 3 |
| Jazz | Henry On The Hill | 4 |
| Magic Terror | Henry On The Hill | 2 |
| Nine Stories | Henry On The Hill | 1 |
| Of Mice and Men | Henry Brentwood | 2 |
| Second Wind | Henry On The Hill | 1 |
| Second Wind | Henry Brentwood | 2 |
| Second Wind | Henry Eastshore | 3 |
| Slay Ride | Henry Brentwood | 3 |
| Song of Solomon | Henry Brentwood | 5 |
| Song of Solomon | Henry Eastshore | 2 |
| The Catcher in the Rye | Henry Eastshore | 2 |
| The Catcher in the Rye | Henry On The Hill | 3 |
| The Edge | Henry On The Hill | 1 |
| The Fall | Henry On The Hill | 2 |
| The Grapes of Wrath | Henry Downtown | 2 |
| The Grapes of Wrath | Henry On The Hill | 1 |
| The Grapes of Wrath | Henry Eastshore | 2 |
| The Grapes of Wrath | Henry Brentwood | 3 |
| The Soul of a New Machine | Henry Brentwood | 2 |
| The Soul of a New Machine | Henry On The Hill | 1 |
| The Stranger | Henry On The Hill | 3 |
| The Stranger | Henry Downtown | 1 |
| To Kill a Mockingbird | Henry Downtown | 2 |
| Travels with Charley | Henry Downtown | 1 |
| Treasure Chests | Henry On The Hill | 1 |
| Van Gogh and Gauguin | Henry Eastshore | 3 |
| Venice | Henry Brentwood | 2 |
| When Rabbit Howls | Henry Downtown | 3 |

1. Retrieve the title from the book relation and compute the number of copies of the title that all branches have on hand. Name this computed column ‘Inventory’ **Hint: You will need to join book and inventory and do an aggregate query.** Use aliases in your query. Order the result by the total number of copies of the book in descending order. Show the first two rows of your result. **(5 points)**

**SQL Statement:**

SELECT b.title, SUM(onHand) AS Inventory

FROM book b

JOIN inventory i ON b.bookCode = i.bookCode

GROUP BY b.title

ORDER BY Inventory DESC;

**Output:**

|  |  |
| --- | --- |
| The Grapes of Wrath | 8 |
| Jazz | 7 |

1. Retrieve the first name and last name from the author relation and the title from the book relation for all paperback books in the book relation. Order the result by the author last name and title. **(5 points)**

**SQL Statement:**

SELECT lastName, firstName, title

FROM author, book

WHERE paperback = "Y"

ORDER BY lastName, title;

**Output:**

|  |  |  |
| --- | --- | --- |
| Ambrose | Stephen E. | A Deepness in the Sky |
| Ambrose | Stephen E. | A Guide to SQL |
| Ambrose | Stephen E. | Band of Brothers |
| Ambrose | Stephen E. | Beloved |
| Ambrose | Stephen E. | Catch-22 |
| Ambrose | Stephen E. | East of Eden |
| Ambrose | Stephen E. | Franny and Zooey |
| Ambrose | Stephen E. | Godel, Escher, Bach |
| Ambrose | Stephen E. | Group: Six People in Search of a Life |
| Ambrose | Stephen E. | Jazz |
| Ambrose | Stephen E. | Magic Terror |
| Ambrose | Stephen E. | Nine Stories |
| Ambrose | Stephen E. | Of Mice and Men |
| Ambrose | Stephen E. | Slay Ride |
| Ambrose | Stephen E. | Song of Solomon |
| Ambrose | Stephen E. | The Catcher in the Rye |
| Ambrose | Stephen E. | The Edge |
| Ambrose | Stephen E. | The Fall |
| Ambrose | Stephen E. | The Grapes of Wrath |
| Ambrose | Stephen E. | The Soul of a New Machine |
| Ambrose | Stephen E. | The Stranger |
| Ambrose | Stephen E. | Travels with Charley |
| Ambrose | Stephen E. | When Rabbit Howls |
| Camus | Albert | A Deepness in the Sky |
| Camus | Albert | A Guide to SQL |
| Camus | Albert | Band of Brothers |
| Camus | Albert | Beloved |
| Camus | Albert | Catch-22 |
| Camus | Albert | East of Eden |
| Camus | Albert | Franny and Zooey |
| Camus | Albert | Godel, Escher, Bach |
| Camus | Albert | Group: Six People in Search of a Life |
| Camus | Albert | Jazz |
| Camus | Albert | Magic Terror |
| Camus | Albert | Nine Stories |
| Camus | Albert | Of Mice and Men |
| Camus | Albert | Slay Ride |
| Camus | Albert | Song of Solomon |
| Camus | Albert | The Catcher in the Rye |
| Camus | Albert | The Edge |
| Camus | Albert | The Fall |
| Camus | Albert | The Grapes of Wrath |
| Camus | Albert | The Soul of a New Machine |
| Camus | Albert | The Stranger |
| Camus | Albert | Travels with Charley |
| Camus | Albert | When Rabbit Howls |
| Castelman | Riva | A Deepness in the Sky |
| Castelman | Riva | A Guide to SQL |
| Castelman | Riva | Band of Brothers |
| Castelman | Riva | Beloved |
| Castelman | Riva | Catch-22 |
| Castelman | Riva | East of Eden |
| Castelman | Riva | Franny and Zooey |
| Castelman | Riva | Godel, Escher, Bach |
| Castelman | Riva | Group: Six People in Search of a Life |
| Castelman | Riva | Jazz |
| Castelman | Riva | Magic Terror |
| Castelman | Riva | Nine Stories |
| Castelman | Riva | Of Mice and Men |
| Castelman | Riva | Slay Ride |
| Castelman | Riva | Song of Solomon |
| Castelman | Riva | The Catcher in the Rye |
| Castelman | Riva | The Edge |
| Castelman | Riva | The Fall |
| Castelman | Riva | The Grapes of Wrath |
| Castelman | Riva | The Soul of a New Machine |
| Castelman | Riva | The Stranger |
| Castelman | Riva | Travels with Charley |
| Castelman | Riva | When Rabbit Howls |
| Chase | Truddi | A Deepness in the Sky |
| Chase | Truddi | A Guide to SQL |
| Chase | Truddi | Band of Brothers |
| Chase | Truddi | Beloved |
| Chase | Truddi | Catch-22 |
| Chase | Truddi | East of Eden |
| Chase | Truddi | Franny and Zooey |
| Chase | Truddi | Godel, Escher, Bach |
| Chase | Truddi | Group: Six People in Search of a Life |
| Chase | Truddi | Jazz |
| Chase | Truddi | Magic Terror |
| Chase | Truddi | Nine Stories |
| Chase | Truddi | Of Mice and Men |
| Chase | Truddi | Slay Ride |
| Chase | Truddi | Song of Solomon |
| Chase | Truddi | The Catcher in the Rye |
| Chase | Truddi | The Edge |
| Chase | Truddi | The Fall |
| Chase | Truddi | The Grapes of Wrath |
| Chase | Truddi | The Soul of a New Machine |
| Chase | Truddi | The Stranger |
| Chase | Truddi | Travels with Charley |
| Chase | Truddi | When Rabbit Howls |
| Collins | Bradley | A Deepness in the Sky |
| Collins | Bradley | A Guide to SQL |
| Collins | Bradley | Band of Brothers |
| Collins | Bradley | Beloved |
| Collins | Bradley | Catch-22 |
| Collins | Bradley | East of Eden |
| Collins | Bradley | Franny and Zooey |
| Collins | Bradley | Godel, Escher, Bach |
| Collins | Bradley | Group: Six People in Search of a Life |
| Collins | Bradley | Jazz |
| Collins | Bradley | Magic Terror |
| Collins | Bradley | Nine Stories |
| Collins | Bradley | Of Mice and Men |
| Collins | Bradley | Slay Ride |
| Collins | Bradley | Song of Solomon |
| Collins | Bradley | The Catcher in the Rye |
| Collins | Bradley | The Edge |
| Collins | Bradley | The Fall |
| Collins | Bradley | The Grapes of Wrath |
| Collins | Bradley | The Soul of a New Machine |
| Collins | Bradley | The Stranger |
| Collins | Bradley | Travels with Charley |
| Collins | Bradley | When Rabbit Howls |
| Collins, Jr. | Bradley | A Deepness in the Sky |
| Collins, Jr. | Bradley | A Guide to SQL |
| Collins, Jr. | Bradley | Band of Brothers |
| Collins, Jr. | Bradley | Beloved |
| Collins, Jr. | Bradley | Catch-22 |
| Collins, Jr. | Bradley | East of Eden |
| Collins, Jr. | Bradley | Franny and Zooey |
| Collins, Jr. | Bradley | Godel, Escher, Bach |
| Collins, Jr. | Bradley | Group: Six People in Search of a Life |
| Collins, Jr. | Bradley | Jazz |
| Collins, Jr. | Bradley | Magic Terror |
| Collins, Jr. | Bradley | Nine Stories |
| Collins, Jr. | Bradley | Of Mice and Men |
| Collins, Jr. | Bradley | Slay Ride |
| Collins, Jr. | Bradley | Song of Solomon |
| Collins, Jr. | Bradley | The Catcher in the Rye |
| Collins, Jr. | Bradley | The Edge |
| Collins, Jr. | Bradley | The Fall |
| Collins, Jr. | Bradley | The Grapes of Wrath |
| Collins, Jr. | Bradley | The Soul of a New Machine |
| Collins, Jr. | Bradley | The Stranger |
| Collins, Jr. | Bradley | Travels with Charley |
| Collins, Jr. | Bradley | When Rabbit Howls |
| Francis | Dick | A Deepness in the Sky |
| Francis | Dick | A Guide to SQL |
| Francis | Dick | Band of Brothers |
| Francis | Dick | Beloved |
| Francis | Dick | Catch-22 |
| Francis | Dick | East of Eden |
| Francis | Dick | Franny and Zooey |
| Francis | Dick | Godel, Escher, Bach |
| Francis | Dick | Group: Six People in Search of a Life |
| Francis | Dick | Jazz |
| Francis | Dick | Magic Terror |
| Francis | Dick | Nine Stories |
| Francis | Dick | Of Mice and Men |
| Francis | Dick | Slay Ride |
| Francis | Dick | Song of Solomon |
| Francis | Dick | The Catcher in the Rye |
| Francis | Dick | The Edge |
| Francis | Dick | The Fall |
| Francis | Dick | The Grapes of Wrath |
| Francis | Dick | The Soul of a New Machine |
| Francis | Dick | The Stranger |
| Francis | Dick | Travels with Charley |
| Francis | Dick | When Rabbit Howls |
| Heaney | Seamus | A Deepness in the Sky |
| Heaney | Seamus | A Guide to SQL |
| Heaney | Seamus | Band of Brothers |
| Heaney | Seamus | Beloved |
| Heaney | Seamus | Catch-22 |
| Heaney | Seamus | East of Eden |
| Heaney | Seamus | Franny and Zooey |
| Heaney | Seamus | Godel, Escher, Bach |
| Heaney | Seamus | Group: Six People in Search of a Life |
| Heaney | Seamus | Jazz |
| Heaney | Seamus | Magic Terror |
| Heaney | Seamus | Nine Stories |
| Heaney | Seamus | Of Mice and Men |
| Heaney | Seamus | Slay Ride |
| Heaney | Seamus | Song of Solomon |
| Heaney | Seamus | The Catcher in the Rye |
| Heaney | Seamus | The Edge |
| Heaney | Seamus | The Fall |
| Heaney | Seamus | The Grapes of Wrath |
| Heaney | Seamus | The Soul of a New Machine |
| Heaney | Seamus | The Stranger |
| Heaney | Seamus | Travels with Charley |
| Heaney | Seamus | When Rabbit Howls |
| Heller | Joseph | A Deepness in the Sky |
| Heller | Joseph | A Guide to SQL |
| Heller | Joseph | Band of Brothers |
| Heller | Joseph | Beloved |
| Heller | Joseph | Catch-22 |
| Heller | Joseph | East of Eden |
| Heller | Joseph | Franny and Zooey |
| Heller | Joseph | Godel, Escher, Bach |
| Heller | Joseph | Group: Six People in Search of a Life |
| Heller | Joseph | Jazz |
| Heller | Joseph | Magic Terror |
| Heller | Joseph | Nine Stories |
| Heller | Joseph | Of Mice and Men |
| Heller | Joseph | Slay Ride |
| Heller | Joseph | Song of Solomon |
| Heller | Joseph | The Catcher in the Rye |
| Heller | Joseph | The Edge |
| Heller | Joseph | The Fall |
| Heller | Joseph | The Grapes of Wrath |
| Heller | Joseph | The Soul of a New Machine |
| Heller | Joseph | The Stranger |
| Heller | Joseph | Travels with Charley |
| Heller | Joseph | When Rabbit Howls |
| Hofstadter | Douglas R. | A Deepness in the Sky |
| Hofstadter | Douglas R. | A Guide to SQL |
| Hofstadter | Douglas R. | Band of Brothers |
| Hofstadter | Douglas R. | Beloved |
| Hofstadter | Douglas R. | Catch-22 |
| Hofstadter | Douglas R. | East of Eden |
| Hofstadter | Douglas R. | Franny and Zooey |
| Hofstadter | Douglas R. | Godel, Escher, Bach |
| Hofstadter | Douglas R. | Group: Six People in Search of a Life |
| Hofstadter | Douglas R. | Jazz |
| Hofstadter | Douglas R. | Magic Terror |
| Hofstadter | Douglas R. | Nine Stories |
| Hofstadter | Douglas R. | Of Mice and Men |
| Hofstadter | Douglas R. | Slay Ride |
| Hofstadter | Douglas R. | Song of Solomon |
| Hofstadter | Douglas R. | The Catcher in the Rye |
| Hofstadter | Douglas R. | The Edge |
| Hofstadter | Douglas R. | The Fall |
| Hofstadter | Douglas R. | The Grapes of Wrath |
| Hofstadter | Douglas R. | The Soul of a New Machine |
| Hofstadter | Douglas R. | The Stranger |
| Hofstadter | Douglas R. | Travels with Charley |
| Hofstadter | Douglas R. | When Rabbit Howls |
| Kidder | Tracy | A Deepness in the Sky |
| Kidder | Tracy | A Guide to SQL |
| Kidder | Tracy | Band of Brothers |
| Kidder | Tracy | Beloved |
| Kidder | Tracy | Catch-22 |
| Kidder | Tracy | East of Eden |
| Kidder | Tracy | Franny and Zooey |
| Kidder | Tracy | Godel, Escher, Bach |
| Kidder | Tracy | Group: Six People in Search of a Life |
| Kidder | Tracy | Jazz |
| Kidder | Tracy | Magic Terror |
| Kidder | Tracy | Nine Stories |
| Kidder | Tracy | Of Mice and Men |
| Kidder | Tracy | Slay Ride |
| Kidder | Tracy | Song of Solomon |
| Kidder | Tracy | The Catcher in the Rye |
| Kidder | Tracy | The Edge |
| Kidder | Tracy | The Fall |
| Kidder | Tracy | The Grapes of Wrath |
| Kidder | Tracy | The Soul of a New Machine |
| Kidder | Tracy | The Stranger |
| Kidder | Tracy | Travels with Charley |
| Kidder | Tracy | When Rabbit Howls |
| King | Stephen | A Deepness in the Sky |
| King | Stephen | A Guide to SQL |
| King | Stephen | Band of Brothers |
| King | Stephen | Beloved |
| King | Stephen | Catch-22 |
| King | Stephen | East of Eden |
| King | Stephen | Franny and Zooey |
| King | Stephen | Godel, Escher, Bach |
| King | Stephen | Group: Six People in Search of a Life |
| King | Stephen | Jazz |
| King | Stephen | Magic Terror |
| King | Stephen | Nine Stories |
| King | Stephen | Of Mice and Men |
| King | Stephen | Slay Ride |
| King | Stephen | Song of Solomon |
| King | Stephen | The Catcher in the Rye |
| King | Stephen | The Edge |
| King | Stephen | The Fall |
| King | Stephen | The Grapes of Wrath |
| King | Stephen | The Soul of a New Machine |
| King | Stephen | The Stranger |
| King | Stephen | Travels with Charley |
| King | Stephen | When Rabbit Howls |
| Lee | Harper | A Deepness in the Sky |
| Lee | Harper | A Guide to SQL |
| Lee | Harper | Band of Brothers |
| Lee | Harper | Beloved |
| Lee | Harper | Catch-22 |
| Lee | Harper | East of Eden |
| Lee | Harper | Franny and Zooey |
| Lee | Harper | Godel, Escher, Bach |
| Lee | Harper | Group: Six People in Search of a Life |
| Lee | Harper | Jazz |
| Lee | Harper | Magic Terror |
| Lee | Harper | Nine Stories |
| Lee | Harper | Of Mice and Men |
| Lee | Harper | Slay Ride |
| Lee | Harper | Song of Solomon |
| Lee | Harper | The Catcher in the Rye |
| Lee | Harper | The Edge |
| Lee | Harper | The Fall |
| Lee | Harper | The Grapes of Wrath |
| Lee | Harper | The Soul of a New Machine |
| Lee | Harper | The Stranger |
| Lee | Harper | Travels with Charley |
| Lee | Harper | When Rabbit Howls |
| Morrison | Toni | A Deepness in the Sky |
| Morrison | Toni | A Guide to SQL |
| Morrison | Toni | Band of Brothers |
| Morrison | Toni | Beloved |
| Morrison | Toni | Catch-22 |
| Morrison | Toni | East of Eden |
| Morrison | Toni | Franny and Zooey |
| Morrison | Toni | Godel, Escher, Bach |
| Morrison | Toni | Group: Six People in Search of a Life |
| Morrison | Toni | Jazz |
| Morrison | Toni | Magic Terror |
| Morrison | Toni | Nine Stories |
| Morrison | Toni | Of Mice and Men |
| Morrison | Toni | Slay Ride |
| Morrison | Toni | Song of Solomon |
| Morrison | Toni | The Catcher in the Rye |
| Morrison | Toni | The Edge |
| Morrison | Toni | The Fall |
| Morrison | Toni | The Grapes of Wrath |
| Morrison | Toni | The Soul of a New Machine |
| Morrison | Toni | The Stranger |
| Morrison | Toni | Travels with Charley |
| Morrison | Toni | When Rabbit Howls |
| O'Rourke | Randy | A Deepness in the Sky |
| O'Rourke | Randy | A Guide to SQL |
| O'Rourke | Randy | Band of Brothers |
| O'Rourke | Randy | Beloved |
| O'Rourke | Randy | Catch-22 |
| O'Rourke | Randy | East of Eden |
| O'Rourke | Randy | Franny and Zooey |
| O'Rourke | Randy | Godel, Escher, Bach |
| O'Rourke | Randy | Group: Six People in Search of a Life |
| O'Rourke | Randy | Jazz |
| O'Rourke | Randy | Magic Terror |
| O'Rourke | Randy | Nine Stories |
| O'Rourke | Randy | Of Mice and Men |
| O'Rourke | Randy | Slay Ride |
| O'Rourke | Randy | Song of Solomon |
| O'Rourke | Randy | The Catcher in the Rye |
| O'Rourke | Randy | The Edge |
| O'Rourke | Randy | The Fall |
| O'Rourke | Randy | The Grapes of Wrath |
| O'Rourke | Randy | The Soul of a New Machine |
| O'Rourke | Randy | The Stranger |
| O'Rourke | Randy | Travels with Charley |
| O'Rourke | Randy | When Rabbit Howls |
| Owen | Barbara | A Deepness in the Sky |
| Owen | Barbara | A Guide to SQL |
| Owen | Barbara | Band of Brothers |
| Owen | Barbara | Beloved |
| Owen | Barbara | Catch-22 |
| Owen | Barbara | East of Eden |
| Owen | Barbara | Franny and Zooey |
| Owen | Barbara | Godel, Escher, Bach |
| Owen | Barbara | Group: Six People in Search of a Life |
| Owen | Barbara | Jazz |
| Owen | Barbara | Magic Terror |
| Owen | Barbara | Nine Stories |
| Owen | Barbara | Of Mice and Men |
| Owen | Barbara | Slay Ride |
| Owen | Barbara | Song of Solomon |
| Owen | Barbara | The Catcher in the Rye |
| Owen | Barbara | The Edge |
| Owen | Barbara | The Fall |
| Owen | Barbara | The Grapes of Wrath |
| Owen | Barbara | The Soul of a New Machine |
| Owen | Barbara | The Stranger |
| Owen | Barbara | Travels with Charley |
| Owen | Barbara | When Rabbit Howls |
| Pratt | Philip | A Deepness in the Sky |
| Pratt | Philip | A Guide to SQL |
| Pratt | Philip | Band of Brothers |
| Pratt | Philip | Beloved |
| Pratt | Philip | Catch-22 |
| Pratt | Philip | East of Eden |
| Pratt | Philip | Franny and Zooey |
| Pratt | Philip | Godel, Escher, Bach |
| Pratt | Philip | Group: Six People in Search of a Life |
| Pratt | Philip | Jazz |
| Pratt | Philip | Magic Terror |
| Pratt | Philip | Nine Stories |
| Pratt | Philip | Of Mice and Men |
| Pratt | Philip | Slay Ride |
| Pratt | Philip | Song of Solomon |
| Pratt | Philip | The Catcher in the Rye |
| Pratt | Philip | The Edge |
| Pratt | Philip | The Fall |
| Pratt | Philip | The Grapes of Wrath |
| Pratt | Philip | The Soul of a New Machine |
| Pratt | Philip | The Stranger |
| Pratt | Philip | Travels with Charley |
| Pratt | Philip | When Rabbit Howls |
| Rowling | J.K. | A Deepness in the Sky |
| Rowling | J.K. | A Guide to SQL |
| Rowling | J.K. | Band of Brothers |
| Rowling | J.K. | Beloved |
| Rowling | J.K. | Catch-22 |
| Rowling | J.K. | East of Eden |
| Rowling | J.K. | Franny and Zooey |
| Rowling | J.K. | Godel, Escher, Bach |
| Rowling | J.K. | Group: Six People in Search of a Life |
| Rowling | J.K. | Jazz |
| Rowling | J.K. | Magic Terror |
| Rowling | J.K. | Nine Stories |
| Rowling | J.K. | Of Mice and Men |
| Rowling | J.K. | Slay Ride |
| Rowling | J.K. | Song of Solomon |
| Rowling | J.K. | The Catcher in the Rye |
| Rowling | J.K. | The Edge |
| Rowling | J.K. | The Fall |
| Rowling | J.K. | The Grapes of Wrath |
| Rowling | J.K. | The Soul of a New Machine |
| Rowling | J.K. | The Stranger |
| Rowling | J.K. | Travels with Charley |
| Rowling | J.K. | When Rabbit Howls |
| Salinger | J.D. | A Deepness in the Sky |
| Salinger | J.D. | A Guide to SQL |
| Salinger | J.D. | Band of Brothers |
| Salinger | J.D. | Beloved |
| Salinger | J.D. | Catch-22 |
| Salinger | J.D. | East of Eden |
| Salinger | J.D. | Franny and Zooey |
| Salinger | J.D. | Godel, Escher, Bach |
| Salinger | J.D. | Group: Six People in Search of a Life |
| Salinger | J.D. | Jazz |
| Salinger | J.D. | Magic Terror |
| Salinger | J.D. | Nine Stories |
| Salinger | J.D. | Of Mice and Men |
| Salinger | J.D. | Slay Ride |
| Salinger | J.D. | Song of Solomon |
| Salinger | J.D. | The Catcher in the Rye |
| Salinger | J.D. | The Edge |
| Salinger | J.D. | The Fall |
| Salinger | J.D. | The Grapes of Wrath |
| Salinger | J.D. | The Soul of a New Machine |
| Salinger | J.D. | The Stranger |
| Salinger | J.D. | Travels with Charley |
| Salinger | J.D. | When Rabbit Howls |
| Schleining | Lon | A Deepness in the Sky |
| Schleining | Lon | A Guide to SQL |
| Schleining | Lon | Band of Brothers |
| Schleining | Lon | Beloved |
| Schleining | Lon | Catch-22 |
| Schleining | Lon | East of Eden |
| Schleining | Lon | Franny and Zooey |
| Schleining | Lon | Godel, Escher, Bach |
| Schleining | Lon | Group: Six People in Search of a Life |
| Schleining | Lon | Jazz |
| Schleining | Lon | Magic Terror |
| Schleining | Lon | Nine Stories |
| Schleining | Lon | Of Mice and Men |
| Schleining | Lon | Slay Ride |
| Schleining | Lon | Song of Solomon |
| Schleining | Lon | The Catcher in the Rye |
| Schleining | Lon | The Edge |
| Schleining | Lon | The Fall |
| Schleining | Lon | The Grapes of Wrath |
| Schleining | Lon | The Soul of a New Machine |
| Schleining | Lon | The Stranger |
| Schleining | Lon | Travels with Charley |
| Schleining | Lon | When Rabbit Howls |
| Solotaroff | Paul | A Deepness in the Sky |
| Solotaroff | Paul | A Guide to SQL |
| Solotaroff | Paul | Band of Brothers |
| Solotaroff | Paul | Beloved |
| Solotaroff | Paul | Catch-22 |
| Solotaroff | Paul | East of Eden |
| Solotaroff | Paul | Franny and Zooey |
| Solotaroff | Paul | Godel, Escher, Bach |
| Solotaroff | Paul | Group: Six People in Search of a Life |
| Solotaroff | Paul | Jazz |
| Solotaroff | Paul | Magic Terror |
| Solotaroff | Paul | Nine Stories |
| Solotaroff | Paul | Of Mice and Men |
| Solotaroff | Paul | Slay Ride |
| Solotaroff | Paul | Song of Solomon |
| Solotaroff | Paul | The Catcher in the Rye |
| Solotaroff | Paul | The Edge |
| Solotaroff | Paul | The Fall |
| Solotaroff | Paul | The Grapes of Wrath |
| Solotaroff | Paul | The Soul of a New Machine |
| Solotaroff | Paul | The Stranger |
| Solotaroff | Paul | Travels with Charley |
| Solotaroff | Paul | When Rabbit Howls |
| Steinbeck | John | A Deepness in the Sky |
| Steinbeck | John | A Guide to SQL |
| Steinbeck | John | Band of Brothers |
| Steinbeck | John | Beloved |
| Steinbeck | John | Catch-22 |
| Steinbeck | John | East of Eden |
| Steinbeck | John | Franny and Zooey |
| Steinbeck | John | Godel, Escher, Bach |
| Steinbeck | John | Group: Six People in Search of a Life |
| Steinbeck | John | Jazz |
| Steinbeck | John | Magic Terror |
| Steinbeck | John | Nine Stories |
| Steinbeck | John | Of Mice and Men |
| Steinbeck | John | Slay Ride |
| Steinbeck | John | Song of Solomon |
| Steinbeck | John | The Catcher in the Rye |
| Steinbeck | John | The Edge |
| Steinbeck | John | The Fall |
| Steinbeck | John | The Grapes of Wrath |
| Steinbeck | John | The Soul of a New Machine |
| Steinbeck | John | The Stranger |
| Steinbeck | John | Travels with Charley |
| Steinbeck | John | When Rabbit Howls |
| Straub | Peter | A Deepness in the Sky |
| Straub | Peter | A Guide to SQL |
| Straub | Peter | Band of Brothers |
| Straub | Peter | Beloved |
| Straub | Peter | Catch-22 |
| Straub | Peter | East of Eden |
| Straub | Peter | Franny and Zooey |
| Straub | Peter | Godel, Escher, Bach |
| Straub | Peter | Group: Six People in Search of a Life |
| Straub | Peter | Jazz |
| Straub | Peter | Magic Terror |
| Straub | Peter | Nine Stories |
| Straub | Peter | Of Mice and Men |
| Straub | Peter | Slay Ride |
| Straub | Peter | Song of Solomon |
| Straub | Peter | The Catcher in the Rye |
| Straub | Peter | The Edge |
| Straub | Peter | The Fall |
| Straub | Peter | The Grapes of Wrath |
| Straub | Peter | The Soul of a New Machine |
| Straub | Peter | The Stranger |
| Straub | Peter | Travels with Charley |
| Straub | Peter | When Rabbit Howls |
| Vintage | Vernor | A Deepness in the Sky |
| Vintage | Vernor | A Guide to SQL |
| Vintage | Vernor | Band of Brothers |
| Vintage | Vernor | Beloved |
| Vintage | Vernor | Catch-22 |
| Vintage | Vernor | East of Eden |
| Vintage | Vernor | Franny and Zooey |
| Vintage | Vernor | Godel, Escher, Bach |
| Vintage | Vernor | Group: Six People in Search of a Life |
| Vintage | Vernor | Jazz |
| Vintage | Vernor | Magic Terror |
| Vintage | Vernor | Nine Stories |
| Vintage | Vernor | Of Mice and Men |
| Vintage | Vernor | Slay Ride |
| Vintage | Vernor | Song of Solomon |
| Vintage | Vernor | The Catcher in the Rye |
| Vintage | Vernor | The Edge |
| Vintage | Vernor | The Fall |
| Vintage | Vernor | The Grapes of Wrath |
| Vintage | Vernor | The Soul of a New Machine |
| Vintage | Vernor | The Stranger |
| Vintage | Vernor | Travels with Charley |
| Vintage | Vernor | When Rabbit Howls |
| Wills | Gary | A Deepness in the Sky |
| Wills | Gary | A Guide to SQL |
| Wills | Gary | Band of Brothers |
| Wills | Gary | Beloved |
| Wills | Gary | Catch-22 |
| Wills | Gary | East of Eden |
| Wills | Gary | Franny and Zooey |
| Wills | Gary | Godel, Escher, Bach |
| Wills | Gary | Group: Six People in Search of a Life |
| Wills | Gary | Jazz |
| Wills | Gary | Magic Terror |
| Wills | Gary | Nine Stories |
| Wills | Gary | Of Mice and Men |
| Wills | Gary | Slay Ride |
| Wills | Gary | Song of Solomon |
| Wills | Gary | The Catcher in the Rye |
| Wills | Gary | The Edge |
| Wills | Gary | The Fall |
| Wills | Gary | The Grapes of Wrath |
| Wills | Gary | The Soul of a New Machine |
| Wills | Gary | The Stranger |
| Wills | Gary | Travels with Charley |
| Wills | Gary | When Rabbit Howls |

1. Insert a new branch into the branch relation with the following data branch number = 5, branch name = Henry Lexington Green, branch location = 127 South Road, numEmployees = 7. Then write the query to show all of the branches in the branch relation. **(4 points)**

**SQL Statement:**

INSERT INTO branch

VALUES(5, "Henry Lexington Green", "127 South Road", 7);

SELECT \* FROM branch;

**Output:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Henry Downtown | 16 Riverview | 10 |
| 2 | Henry On The Hill | 1289 Bedford | 6 |
| 3 | Henry Brentwood | Brentwood Mall | 15 |
| 4 | Henry Eastshore | Eastshore Mall | 9 |
| 5 | Henry Lexington Green | 127 South Road | 7 |
|  |  |  |  |

1. The Henry Downtown branch moved to 184 St. John’s Way. Update the branch table with the new address. **(3 points)**

**SQL Statement:**

UPDATE branch

SET branchLocation = "184 St. John’s Way"

WHERE branchNum = 1;

**Output:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Henry Downtown | 184 St. John’s Way | 10 |
| 2 | Henry On The Hill | 1289 Bedford | 6 |
| 3 | Henry Brentwood | Brentwood Mall | 15 |
| 4 | Henry Eastshore | Eastshore Mall | 9 |
| 5 | Henry Lexington Green | 127 South Road | 7 |
|  |  |  |  |