

```
# Spencer Rosenvall
# CSIS 1550
# Single-table Queries Using Henry Books Database
```

```
#1 mysql> SELECT BOOK_CODE, TITLE FROM BOOK;
```

BOOK_CODE	TITLE
0180	A Deepness in the Sky
0189	Magic Terror
0200	The Stranger
0378	Venice
079X	Second Wind
0808	The Edge
1351	Dreamcatcher: A Novel
1382	Treasure Chests
138X	Beloved
2226	Harry Potter and the Prisoner of Azkaban
2281	Van Gogh and Gauguin
2766	Of Mice and Men
2908	Electric Light
3350	Group: Six People in Search of a Life
3743	Nine Stories
3906	The Soul of a New Machine
5163	Travels with Charley
5790	Catch-22
6128	Jazz
6328	Band of Brothers
669X	A Guide to SQL
6908	Franny and Zooey
7405	East of Eden
7443	Harry Potter and the Goblet of Fire
7559	The Fall
8092	Godel, Escher, Bach
8720	When Rabbit Howls
9611	Black House
9627	Song of Solomon
9701	The Grapes of Wrath
9882	Slay Ride
9883	The Catcher in the Rye
9931	To Kill a Mockingbird

```
33 rows in set (0.00 sec)
```

```
#2 mysql> SELECT * FROM PUBLISHER;
```

PUBLISHER_CODE	PUBLISHER_NAME	CITY
AH	Arkham House	Sauk City WI
AP	Arcade Publishing	New York
BA	Basic Books	Boulder CO
BP	Berkley Publishing	Boston
BY	Back Bay Books	New York
CT	Course Technology	Boston
FA	Fawcett Books	New York
FS	Farrar Straus and Giroux	New York
HC	HarperCollins Publishers	New York
JP	Jove Publications	New York

JT	Jeremy P. Tarcher	Los Angeles
LB	Lb Books	New York
MP	McPherson and Co.	Kingston
PE	Penguin USA	New York
PL	Plume	New York
PU	Putnam Publishing Group	New York
RH	Random House	New York
SB	Schoken Books	New York
SC	Scribner	New York
SS	Simon and Schuster	New York
ST	Scholastic Trade	New York
TA	Taunton Press	Newtown CT
TB	Tor Books	New York
TH	Thames and Hudson	New York
TO	Touchstone Books	Westport CT
VB	Vintage Books	New York
WN	W.W. Norton	New York
WP	Westview Press	Boulder CO

+-----+-----+-----+

28 rows in set (0.00 sec)

#3 mysql> SELECT PUBLISHER_NAME FROM PUBLISHER WHERE CITY = 'Boston';

PUBLISHER_NAME
Berkley Publishing
Course Technology

2 rows in set (0.00 sec)

#4 mysql> SELECT PUBLISHER_NAME FROM PUBLISHER WHERE CITY != 'Boston';

PUBLISHER_NAME
Arkham House
Arcade Publishing
Basic Books
Back Bay Books
Fawcett Books
Farrar Straus and Giroux
HarperCollins Publishers
Jove Publications
Jeremy P. Tarcher
Lb Books
McPherson and Co.
Penguin USA
Plume
Putnam Publishing Group
Random House
Schoken Books
Scribner
Simon and Schuster
Scholastic Trade
Taunton Press
Tor Books
Thames and Hudson
Touchstone Books
Vintage Books

W.W. Norton
Westview Press

26 rows in set (0.00 sec)

```
#5 mysql> SELECT BRANCH_NAME FROM BRANCH WHERE NUM_EMPLOYEES >= 9;
```

BRANCH_NAME
Henry Downtown
Henry Brentwood
Henry Eastshore

3 rows in set (0.00 sec)

```
#6 mysql> SELECT BOOK_CODE, TITLE FROM BOOK WHERE TYPE = 'SFI';
```

BOOK_CODE	TITLE
0180	A Deepness in the Sky
2226	Harry Potter and the Prisoner of Azkaban
7443	Harry Potter and the Goblet of Fire

3 rows in set (0.00 sec)

```
#7 mysql> SELECT BOOK_CODE, TITLE FROM BOOK WHERE (TYPE = 'SFI') AND (PAPERBACK = 'Y');
```

BOOK_CODE	TITLE
0180	A Deepness in the Sky

1 row in set (0.00 sec)

```
#8 mysql> SELECT BOOK_CODE, TITLE FROM BOOK WHERE (TYPE = 'SFI') OR (PUBLISHER_CODE = 'SC');
```

BOOK_CODE	TITLE
0180	A Deepness in the Sky
1351	Dreamcatcher: A Novel
2226	Harry Potter and the Prisoner of Azkaban
5790	Catch-22
7443	Harry Potter and the Goblet of Fire

5 rows in set (0.00 sec)

```
#9 mysql> SELECT BOOK_CODE, TITLE, PRICE FROM BOOK WHERE (PRICE >= 20) AND (PRICE <= 30);
```

BOOK_CODE	TITLE	PRICE
0378	Venice	24.50
079X	Second Wind	24.95
1382	Treasure Chests	24.46
2281	Van Gogh and Gauguin	21.00

4 rows in set (0.00 sec)

```
#10 mysql> SELECT BOOK_CODE, TITLE FROM BOOK WHERE (TYPE = 'MYS') AND (PRICE < 20);
```

BOOK_CODE	TITLE
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```
| BOOK_CODE | TITLE |
+-----+-----+
| 0808 | The Edge |
| 9882 | Slay Ride |
+-----+-----+
2 rows in set (0.00 sec)
```

```
#11 mysql> SELECT BOOK_CODE, TITLE, (PRICE * .9) AS DISCOUNTED_PRICE FROM BOOK;
```

```
+-----+-----+-----+
| BOOK_CODE | TITLE | DISCOUNTED_PRICE |
+-----+-----+-----+
| 0180 | A Deepness in the Sky | 6.471 |
| 0189 | Magic Terror | 7.191 |
| 0200 | The Stranger | 7.200 |
| 0378 | Venice | 22.050 |
| 079X | Second Wind | 22.455 |
| 0808 | The Edge | 6.291 |
| 1351 | Dreamcatcher: A Novel | 17.640 |
| 1382 | Treasure Chests | 22.014 |
| 138X | Beloved | 11.655 |
| 2226 | Harry Potter and the Prisoner of Azkaban | 12.564 |
| 2281 | Van Gogh and Gauguin | 18.900 |
| 2766 | Of Mice and Men | 6.255 |
| 2908 | Electric Light | 12.600 |
| 3350 | Group: Six People in Search of a Life | 9.360 |
| 3743 | Nine Stories | 5.391 |
| 3906 | The Soul of a New Machine | 10.044 |
| 5163 | Travels with Charley | 7.155 |
| 5790 | Catch-22 | 10.800 |
| 6128 | Jazz | 11.655 |
| 6328 | Band of Brothers | 8.640 |
| 669X | A Guide to SQL | 34.155 |
| 6908 | Franny and Zooey | 5.391 |
| 7405 | East of Eden | 11.655 |
| 7443 | Harry Potter and the Goblet of Fire | 16.344 |
| 7559 | The Fall | 7.200 |
| 8092 | Godel, Escher, Bach | 12.600 |
| 8720 | When Rabbit Howls | 5.661 |
| 9611 | Black House | 16.929 |
| 9627 | Song of Solomon | 12.600 |
| 9701 | The Grapes of Wrath | 11.700 |
| 9882 | Slay Ride | 6.291 |
| 9883 | The Catcher in the Rye | 5.391 |
| 9931 | To Kill a Mockingbird | 16.200 |
+-----+-----+-----+
33 rows in set (0.00 sec)
```

```
#12 mysql> SELECT PUBLISHER_NAME FROM PUBLISHER WHERE PUBLISHER_NAME LIKE '% and %';
```

```
+-----+
| PUBLISHER_NAME |
+-----+
| Farrar Straus and Giroux |
| McPherson and Co. |
| Simon and Schuster |
| Thames and Hudson |
+-----+
4 rows in set (0.00 sec)
```

```
#13 mysql> SELECT BOOK_CODE, TITLE FROM BOOK WHERE TYPE IN ('SFI','MYS','ART');
```

BOOK_CODE	TITLE
0180	A Deepness in the Sky
0378	Venice
079X	Second Wind
0808	The Edge
1382	Treasure Chests
2226	Harry Potter and the Prisoner of Azkaban
2281	Van Gogh and Gauguin
7443	Harry Potter and the Goblet of Fire
9882	Slay Ride

9 rows in set (0.00 sec)

```
#14 mysql> SELECT BOOK_CODE, TITLE FROM BOOK WHERE TYPE IN ('SFI','MYS','ART') ORDER BY TITLE;
```

BOOK_CODE	TITLE
0180	A Deepness in the Sky
7443	Harry Potter and the Goblet of Fire
2226	Harry Potter and the Prisoner of Azkaban
079X	Second Wind
9882	Slay Ride
0808	The Edge
1382	Treasure Chests
2281	Van Gogh and Gauguin
0378	Venice

9 rows in set (0.00 sec)

```
#15 mysql> SELECT BOOK_CODE, TITLE, PRICE FROM BOOK WHERE TYPE IN ('SFI','MYS','ART') GROUP BY PRICE ORDER BY PRICE DESC, TITLE;
```

BOOK_CODE	TITLE	PRICE
079X	Second Wind	24.95
0378	Venice	24.50
1382	Treasure Chests	24.46
2281	Van Gogh and Gauguin	21.00
7443	Harry Potter and the Goblet of Fire	18.16
2226	Harry Potter and the Prisoner of Azkaban	13.96
0180	A Deepness in the Sky	7.19
0808	The Edge	6.99

8 rows in set (0.00 sec)

```
#16 mysql> SELECT DISTINCT(TYPE) FROM BOOK;
```

TYPE
SFI
HOR
FIC
ART
MYS
POE

```
| PSY |
| SCI |
| TRA |
| HIS |
| CMP |
| PHI |
+-----+
12 rows in set (0.00 sec)
```

```
#17 mysql> SELECT COUNT(*) FROM BOOK WHERE TYPE = 'SFI';
+-----+
| COUNT(*) |
+-----+
|      3 |
+-----+
1 row in set (0.00 sec)
```

```
#18 mysql> SELECT TYPE, AVG(PRICE) FROM BOOK GROUP BY TYPE;
+-----+-----+
| TYPE | AVG(PRICE) |
+-----+-----+
| ART | 23.320000 |
| CMP | 37.950000 |
| FIC | 10.520769 |
| HIS | 9.600000 |
| HOR | 15.466667 |
| MYS | 12.976667 |
| PHI | 14.000000 |
| POE | 14.000000 |
| PSY | 8.345000 |
| SCI | 11.160000 |
| SFI | 13.103333 |
| TRA | 7.950000 |
+-----+-----+
12 rows in set (0.00 sec)
```

```
#19 mysql> SELECT TYPE, AVG(PRICE) FROM BOOK WHERE PAPERBACK = 'Y' GROUP BY TYPE;
+-----+-----+
| TYPE | AVG(PRICE) |
+-----+-----+
| CMP | 37.950000 |
| FIC | 9.897500 |
| HIS | 9.600000 |
| HOR | 7.990000 |
| MYS | 6.990000 |
| PHI | 14.000000 |
| PSY | 8.345000 |
| SCI | 11.160000 |
| SFI | 7.190000 |
| TRA | 7.950000 |
+-----+-----+
10 rows in set (0.00 sec)
```

```
#20 mysql> SELECT TYPE, AVG(PRICE) FROM BOOK WHERE PAPERBACK = 'Y' GROUP BY TYPE HAVING
AVG(PRICE) > 10;
+-----+-----+
| TYPE | AVG(PRICE) |
+-----+-----+
```

CMP	37.950000
PHI	14.000000
SCI	11.160000

3 rows in set (0.00 sec)

#21 mysql> SELECT TITLE, MAX(PRICE) FROM BOOK;

TITLE	MAX(PRICE)
A Deepness in the Sky	37.95

1 row in set (0.00 sec)

#22 mysql> SELECT TITLE, PRICE FROM BOOK WHERE PRICE = (SELECT MIN(PRICE) FROM BOOK);

TITLE	PRICE
Nine Stories	5.99
Franny and Zooey	5.99
The Catcher in the Rye	5.99

3 rows in set (0.00 sec)

#23 mysql> SELECT SUM(NUM_EMPLOYEES) FROM BRANCH;

SUM(NUM_EMPLOYEES)
40

1 row in set (0.00 sec)

mysql> notee