

```
1  mysql> SOURCE C:\ISTE230\HW\HW08\Lynch_HW08_script.sql
2  -----
3  -- Lynch, Connor
4  -----
5
6  Query OK, 0 rows affected (0.00 sec)
7
8  -----
9  -- ISTE 230, Fall 2024
10 -----
11
12 Query OK, 0 rows affected (0.00 sec)
13
14 -----
15 -- HW08
16 -----
17
18 Query OK, 0 rows affected (0.00 sec)
19
20 -----
21 -- #1
22 -----
23
24 Query OK, 0 rows affected (0.00 sec)
25
26 -----
27 SELECT now()
28 -----
29
30 +-----+
31 | now() |
32 +-----+
33 | 2024-12-04 12:45:26 |
34 +-----+
35 1 row in set (0.00 sec)
36
37 -----
38 -- #2
39 -----
40
41 Query OK, 0 rows affected (0.00 sec)
42
43 -----
44 SELECT CONCAT(City, ', ', StateCode) AS Location, COUNT(*) AS Count
```

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45 FROM Publisher
46 GROUP BY City, StateCode
47 ORDER BY Count
48 -----

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```

49
50 +-----+-----+
51 | Location      | Count |
52 +-----+-----+
53 | Rochester, MN  |      1 |
54 | Hartford, CT   |      1 |
55 | Boston, MA     |      1 |
56 | San Francisco, CA |      1 |
57 | Rochester, NY  |      2 |
58 | Chicago, IL    |      3 |
59 | New York, NY   |      4 |
60 +-----+-----+

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61 7 rows in set (0.00 sec)

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62
63 -----
64 -- #3
65 -----

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66
67 Query OK, 0 rows affected (0.00 sec)
68

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69 -----
70 SELECT Title, COUNT(Rating) AS Total_Ratings, MIN(Rating) AS Low, MAX(Rating) as High, ROUND(AVG(Rating), 2) AS Average
71 FROM Book LEFT JOIN BookReview USING (ISBN)
72 GROUP BY ISBN
73 ORDER BY Total_Ratings DESC, Average DESC
74 -----

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```

75
76 +-----+-----+-----+-----+-----+
77 | Title                                     | Total_Ratings | Low | High | Average |
78 +-----+-----+-----+-----+-----+
79 | Yes! Networking is for Bills Fans         |              3 |    5 |    8 |    6.33 |
80 | The Shortest Book in the World            |              2 |   10 |   10 |   10.00 |
81 | My Love's Last Lingering Lost            |              2 |    8 |    9 |    8.50 |
82 | From Brockport to IT                     |              2 |    7 |   10 |    8.50 |
83 | How to Keep your Cellular Bill Down       |              2 |    7 |    8 |    7.50 |
84 | Women are From Venus ORACLE is from Beyond Pluto |            1 |   10 |   10 |   10.00 |
85 | My Love's Last Longing                   |              1 |   10 |   10 |   10.00 |
86 | My Lost Love's Long Last Lingering        |              1 |    9 |    9 |    9.00 |
87 | How to add Class to your Programming      |              1 |    9 |    9 |    9.00 |
88 | JAVA: It's more than Just a Programming Language |            1 |    9 |    9 |    9.00 |

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89 | How to Keep your Cable Bill Down | 1 | 7 | 7 | 7.00 |
90 | I Lasted my Love's Last Lingering Longing | 1 | 7 | 7 | 7.00 |
91 | My Love's at Long Last Lost his Lingering | 1 | 7 | 7 | 7.00 |
92 | From Deep in the Heart of Texas to IT | 1 | 6 | 6 | 6.00 |
93 | From the Shores of Lake Erie to IT | 1 | 4 | 4 | 4.00 |
94 | ER, SOM, NF, DK/NF, SQL, JDBC, ODBC, and RELVAR | 1 | 4 | 4 | 4.00 |
95 | Calculus for Phys Ed Majors | 0 | NULL | NULL | NULL |
96 | The Science of Literature Searching | 0 | NULL | NULL | NULL |
97 | Tired of wired? Infrared instead! | 0 | NULL | NULL | NULL |
98 | Master Wireless Through The Classic Comics | 0 | NULL | NULL | NULL |
99 | Master HTML Through The Classic Comics | 0 | NULL | NULL | NULL |
100 | Master C++ Through The Classic Comics | 0 | NULL | NULL | NULL |
101 | A language without Pointers? Priceless. | 0 | NULL | NULL | NULL |
102 +-----+-----+-----+-----+
103 23 rows in set (0.00 sec)
104
105 -----
106 -- #4
107 -----
108
109 Query OK, 0 rows affected (0.00 sec)
110
111 -----
112 SELECT Name AS 'Publisher Name', COUNT(ISBN) AS Book_Count
113 FROM Publisher JOIN Book USING (PublisherID)
114 GROUP BY Name
115 HAVING Book_Count > 2
116 ORDER BY Book_Count DESC, Name
117 -----
118
119 +-----+-----+
120 | Publisher Name | Book_Count |
121 +-----+-----+
122 | ReadEmandWeep Romance Publishing | 5 |
123 | CovertoCover Publishing | 4 |
124 | EZRead Masterpiece Comics | 3 |
125 +-----+-----+
126 3 rows in set (0.00 sec)
127
128 -----
129 -- #5
130 -----
131
132 Query OK, 0 rows affected (0.00 sec)

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133
134 -----
135 SELECT Title, LENGTH(Title) AS Length, SUBSTR(Title, (INSTR(LOWER(Title), 'bill') + 4)) AS After_Bill
136 FROM Book
137 WHERE LOWER(Title) LIKE '%bill%'
138 -----
139
140 +-----+-----+-----+
141 | Title                                | Length | After_Bill |
142 +-----+-----+-----+
143 | Yes! Networking is for Bills Fans    | 33     | s Fans     |
144 | How to Keep your Cellular Bill Down | 35     | Down       |
145 | How to Keep your Cable Bill Down    | 32     | Down       |
146 +-----+-----+-----+
147 3 rows in set (0.00 sec)
148
149 -----
150 -- #6
151 -----
152
153 Query OK, 0 rows affected (0.00 sec)
154
155 -----
156 SELECT DISTINCT Title AS 'Book Title' FROM OwnersBook
157 LEFT JOIN Book USING (ISBN)
158 ORDER BY title DESC
159 -----
160
161 +-----+
162 | Book Title                                |
163 +-----+
164 | Yes! Networking is for Bills Fans          |
165 | The Shortest Book in the World             |
166 | The Science of Literature Searching         |
167 | My Love's Last Longing                    |
168 | My Love's Last Lingering Lost             |
169 | My Love's at Long Last Lost his Lingering |
170 | My Lost Love's Long Last Lingering        |
171 | I Lasted my Love's Last Lingering Longing |
172 | How to Keep your Cellular Bill Down        |
173 | How to Keep your Cable Bill Down          |
174 | From the Shores of Lake Erie to IT        |
175 | From Deep in the Heart of Texas to IT     |
176 | ER, SOM, NF, DK/NF, SQL, JDBC, ODBC, and RELVAR |

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177 +-----+
178 13 rows in set (0.00 sec)
179
180 -----
181 -- #7
182 -----
183
184 Query OK, 0 rows affected (0.00 sec)
185
186 -----
187 SELECT OwnerID AS "Owner's ID", CONCAT(LastName, ", ", FirstName) AS "Owner's Name", MAX(Price), MIN(Price)
188 FROM Owner JOIN OwnersBook USING (OwnerID)
189 GROUP BY OwnerID
190 ORDER BY OwnerID DESC
191 -----
192
193 +-----+-----+-----+-----+
194 | Owner's ID | Owner's Name          | MAX(Price) | MIN(Price) |
195 +-----+-----+-----+-----+
196 |          10 | Lumberworker, George  |         0.00 |         0.00 |
197 |           9 | Tripplewander, Martha |        45.00 |        25.00 |
198 |           8 | Rabblewok, George     |        65.00 |        65.00 |
199 |           7 | Burblemonger, Mary    |        80.00 |        80.00 |
200 |           6 | Ling, Wei             |       100.00 |        60.00 |
201 |           5 | Francis, Scott        |        50.00 |        25.00 |
202 |           4 | Corplestein, Ira      |        75.00 |        65.00 |
203 |           3 | Corplestein, Leslie   |        50.00 |        50.00 |
204 |           2 | Scott, Francis        |        40.00 |        40.00 |
205 +-----+-----+-----+-----+
206 9 rows in set (0.00 sec)
207
208 -----
209 -- #8
210 -----
211
212 Query OK, 0 rows affected (0.00 sec)
213
214 -----
215 SELECT BookCondition.Description AS 'Book Condition', Title AS 'Book Title', Price, LEFT(EvaluatorsName, 15)
216 FROM Book JOIN OwnersBook USING (ISBN)
217 JOIN ConditionEvaluator USING (Evaluator)
218 JOIN BookCondition USING (Ranks)
219 ORDER BY BookCondition.Description, Title
220 -----

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221
222 +-----+-----+-----+-----+
223 | Book Condition | Book Title | Price | LEFT(EvaluatorsName, 15) |
224 +-----+-----+-----+-----+
225 | Average | ER, SOM, NF, DK/NF, SQL, JDBC, ODBC, and RELVAR | 50.00 | Paul Vorble Pre |
226 | Average | From Deep in the Heart of Texas to IT | NULL | Jamie Whitehous |
227 | Average | From Deep in the Heart of Texas to IT | NULL | Robert Xavier G |
228 | Average | From the Shores of Lake Erie to IT | NULL | William Whiteho |
229 | Average | From the Shores of Lake Erie to IT | 0.00 | Brendle Gottsch |
230 | Average | I Lasted my Love's Last Lingering Longing | NULL | Jamie Whitehous |
231 | Bad | How to Keep your Cable Bill Down | 45.00 | Jamie Whitehous |
232 | Excellent | How to Keep your Cellular Bill Down | 65.00 | Phyllis Orlando |
233 | Good | How to Keep your Cellular Bill Down | 25.00 | Paul Vorble Pre |
234 | Good | My Lost Love's Long Last Lingering | 25.00 | Jamie Whitehous |
235 | Good | My Love's at Long Last Lost his Lingering | 100.00 | Brendle Whiteho |
236 | Good | My Love's Last Lingering Lost | 80.00 | Everest Frandic |
237 | Good | My Love's Last Longing | 50.00 | Gertrude Orland |
238 | Good | Yes! Networking is for Bills Fans | 40.00 | Gertrude Orland |
239 | Good | Yes! Networking is for Bills Fans | 75.00 | Phyllis Orlando |
240 | Poor | ER, SOM, NF, DK/NF, SQL, JDBC, ODBC, and RELVAR | NULL | Paul Vorble Pre |
241 | Poor | How to Keep your Cellular Bill Down | 65.00 | Gertrude Gottsc |
242 | Poor | The Science of Literature Searching | 60.00 | Robert Xavier G |
243 | Poor | The Shortest Book in the World | 35.00 | Brendle Gottsch |
244 +-----+-----+-----+-----+
245 19 rows in set (0.00 sec)
246
247 mysql> NOTEE
248

```