SQL Updates

**Description** In this lab you will create SQL queries for the following questions. Create a script that does this. Tee the output to a file and submit the file to canvas. I am only concerned with the authors, titles, publishers, and title_authors tables for this lab.

**Grading** This lab is worth 10 points.

1 Start with a fresh set of tables. (Reimport the books database)

2 “Publisher P02 has acquired rights to publish Author A05’s new books:

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>T14</td>
<td>OCA</td>
<td>29.95</td>
</tr>
<tr>
<td>T15</td>
<td>OCP</td>
<td>39.95</td>
</tr>
<tr>
<td>T16</td>
<td>A+</td>
<td>29.95</td>
</tr>
<tr>
<td>T17</td>
<td>NET+</td>
<td>29.95</td>
</tr>
<tr>
<td>T18</td>
<td>LINUX+</td>
<td>29.95</td>
</tr>
</tbody>
</table>

Please add them to the database. Author A05 has 1.00 royalty share for each of these books. We do not know the other fields so just fill them with NULL.”

3 Update the sales of the new books to 0.

4 Update the publishing date to 01 Jan 2011.

5 Update the type of book to computer.

6 We have sold the rights to publish all psychology books. Transfer the database information to abc_authors, abc_titles, abc_publishers, and abc_title_authors for only those books.

7 Delete all psychology books from our tables. (Keep the abc tables.) If a publisher or author is know longer used delete them to. Also update the title_authors table.

8 Discount the price of all history books by 20%.

9 List all data from our tables.

```
select * from publishers
```

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>pub_id</td>
<td>pub_name</td>
<td>city</td>
<td>state</td>
</tr>
<tr>
<td>P01</td>
<td>Abatis Publishers</td>
<td>New York</td>
<td>NY</td>
</tr>
<tr>
<td>P02</td>
<td>Core Dump Books</td>
<td>San Francisco</td>
<td>CA</td>
</tr>
<tr>
<td>P03</td>
<td>Schadenfreude Press</td>
<td>Hamburg</td>
<td>NULL</td>
</tr>
<tr>
<td>P04</td>
<td>Tenterhooks Press</td>
<td>Berkeley</td>
<td>CA</td>
</tr>
</tbody>
</table>
### Select * from authors

<table>
<thead>
<tr>
<th>au_id</th>
<th>au_fname</th>
<th>au_lname</th>
<th>phone</th>
<th>address</th>
<th>city</th>
<th>state</th>
<th>zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>A01</td>
<td>Sarah</td>
<td>Buchman</td>
<td>718-496-7223</td>
<td>75 West 205 St</td>
<td>Bronx</td>
<td>NY</td>
<td>10468</td>
</tr>
<tr>
<td>A02</td>
<td>Wendy</td>
<td>Heydemark</td>
<td>303-986-7020</td>
<td>2922 Baseline Rd</td>
<td>Boulder</td>
<td>CO</td>
<td>80303</td>
</tr>
<tr>
<td>A04</td>
<td>Klee</td>
<td>Hull</td>
<td>415-549-4278</td>
<td>3800 Waldo Ave, #14F</td>
<td>San Francisco</td>
<td>CA</td>
<td>94123</td>
</tr>
<tr>
<td>A05</td>
<td>Christian</td>
<td>Kells</td>
<td>212-771-4680</td>
<td>114 Horatio St</td>
<td>New York</td>
<td>NY</td>
<td>10014</td>
</tr>
<tr>
<td>A06</td>
<td>Kellsey</td>
<td></td>
<td>650-836-7128</td>
<td>390 Serra Mall</td>
<td>Palo Alto</td>
<td>CA</td>
<td>94305</td>
</tr>
</tbody>
</table>

5 rows in set (0.00 sec)

### Select * from title_authors

<table>
<thead>
<tr>
<th>title_id</th>
<th>au_id</th>
<th>au_order</th>
<th>royalty_share</th>
</tr>
</thead>
<tbody>
<tr>
<td>T01</td>
<td>A01</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T02</td>
<td>A01</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T03</td>
<td>A05</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T06</td>
<td>A02</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T07</td>
<td>A02</td>
<td>2</td>
<td>0.50</td>
</tr>
<tr>
<td>T08</td>
<td>A06</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T09</td>
<td>A06</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T10</td>
<td>A02</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T12</td>
<td>A02</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T13</td>
<td>A01</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T14</td>
<td>A05</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T15</td>
<td>A05</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T16</td>
<td>A05</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T17</td>
<td>A05</td>
<td>1</td>
<td>1.00</td>
</tr>
<tr>
<td>T18</td>
<td>A05</td>
<td>1</td>
<td>1.00</td>
</tr>
</tbody>
</table>

16 rows in set (0.00 sec)

### Select * from titles

<table>
<thead>
<tr>
<th>title_id</th>
<th>title_name</th>
<th>type</th>
<th>pub_id</th>
<th>pages</th>
<th>price</th>
<th>sales</th>
<th>pubdate</th>
</tr>
</thead>
<tbody>
<tr>
<td>T01</td>
<td>1977!</td>
<td>history</td>
<td>P01</td>
<td>107</td>
<td>17.59</td>
<td>566</td>
<td>2000-08-01</td>
</tr>
<tr>
<td>T02</td>
<td>200 Years of German Humor</td>
<td>history</td>
<td>P03</td>
<td>14</td>
<td>15.96</td>
<td>9566</td>
<td>1998-04-01</td>
</tr>
<tr>
<td>T03</td>
<td>Ask Your System Administrator</td>
<td>computer</td>
<td>P02</td>
<td>1226</td>
<td>39.95</td>
<td>25667</td>
<td>2000-09-01</td>
</tr>
<tr>
<td>T06</td>
<td>How About Never?</td>
<td>biography</td>
<td>P01</td>
<td>473</td>
<td>19.95</td>
<td>11320</td>
<td>2000-07-31</td>
</tr>
<tr>
<td>T07</td>
<td>I Blame My Mother</td>
<td>biography</td>
<td>P03</td>
<td>333</td>
<td>23.95</td>
<td>1500200</td>
<td>1999-10-01</td>
</tr>
<tr>
<td>T08</td>
<td>Just Wait Until After School</td>
<td>children</td>
<td>P04</td>
<td>86</td>
<td>10.00</td>
<td>4095</td>
<td>2001-06-01</td>
</tr>
<tr>
<td>T09</td>
<td>Kiss My Boo-Boo</td>
<td>children</td>
<td>P04</td>
<td>22</td>
<td>13.95</td>
<td>5000</td>
<td>2002-05-31</td>
</tr>
<tr>
<td>T10</td>
<td>Not Without My Faberge Egg</td>
<td>biography</td>
<td>P01</td>
<td>NULL</td>
<td>NULL</td>
<td>NULL</td>
<td>NULL</td>
</tr>
<tr>
<td>T12</td>
<td>Spontaneous, Not Annoying</td>
<td>biography</td>
<td>P01</td>
<td>507</td>
<td>12.99</td>
<td>100001</td>
<td>2000-08-31</td>
</tr>
<tr>
<td>T13</td>
<td>What Are The Civilian Applications?</td>
<td>history</td>
<td>P03</td>
<td>802</td>
<td>23.99</td>
<td>10467</td>
<td>1999-05-31</td>
</tr>
<tr>
<td>T14</td>
<td>OCA</td>
<td>computer</td>
<td>P02</td>
<td>NULL</td>
<td>29.95</td>
<td>0</td>
<td>2011-01-01</td>
</tr>
</tbody>
</table>
10 List all data from the abc tables.

```
select * from abc_publishers
+--------+-------------------+----------+-------+---------+
| pub_id | pub_name           | city     | state | country |
+--------+-------------------+----------+-------+---------+
| P04    | Tenterhooks Press  | Berkeley | CA    | USA     |
+--------+-------------------+----------+-------+---------+
1 row in set (0.00 sec)

select * from abc_authors
+-------+----------+----------+--------------+----------------------+---------------+-------+-------+
| t_id  | t_fname  | t_lname  | phone        | address               | city          | state | zip  |
+-------+----------+----------+--------------+----------------------+---------------+-------+-------+
| A03   | Hallie   | Hull     | 415-549-4278 | 3800 Waldo Ave, #14F  | San Francisco | CA    | 94123|
| A04   | Klee     | Hull     | 415-549-4278 | 3800 Waldo Ave, #14F  | San Francisco | CA    | 94123|
| A06   | Kellsey  |          | 650-836-7128 | 390 Serra Mall        | Palo Alto     | CA    | 94305|
+-------+----------+----------+--------------+----------------------+---------------+-------+-------+
3 rows in set (0.00 sec)

select * from abc_title_authors
+----------+-------+----------+---------------+
| title_id | t_id  | t_order  | royalty_share |
+----------+-------+----------+---------------+
| T11      | A03   | 2        | 0.30          |
| T11      | A04   | 3        | 0.30          |
| T11      | A06   | 1        | 0.40          |
| T04      | A03   | 1        | 0.60          |
| T04      | A04   | 2        | 0.40          |
| T05      | A04   | 1        | 1.00          |
+----------+-------+----------+---------------+
6 rows in set (0.00 sec)

select * from abc_titles
+----------+----------------------------------+------------+--------+-------+-------+--------+------------+
| title_id | title_name                       | type       | pub_id | pages | price | sales  | pubdate    |
+----------+----------------------------------+------------+--------+-------+-------+--------+------------+
| T04      | But I Did It Unconsciously       | psychology | P04    | 510   | 12.99 | 13001  | 1999-05-31 |
| T05      | Exchange of Platitudes           | psychology | P04    | 201   | 6.95  | 201440 | 2001-01-01 |
| T11      | Perhaps It's a Glandular Problem | psychology | P04    | 826   | 7.99  | 94123  | 2000-11-30 |
+----------+----------------------------------+------------+--------+-------+-------+--------+------------+
```