

MIS303 - Access Assignment II (30 pts)

Spring 2019

In this assignment, students should use the ABCPublish-II database provided with the HW2 link on the Blackboard (Not the one you have submitted for Access HW1) and run queries to answer business questions.

This is an individual assignment. Each student should work by himself or herself. If you have any question, you should contact the instructor or the Tas for help. Any type of collaboration, help, or consultation between students or from outside of our class is not allowed. Violated parties will receive penalties, including receiving 0 point for this assignment, receiving F in this course, or being reported to the university academic integrity office, etc.

Instruction:

Download the database file – ABCPublish-II.accdb from the Blackboard:

1. Right click on the file link on the Blackboard, save target as or save link as.
2. Browse to the computer location that you want to save this file to.
3. Edit on the file name. Name your database file as **ABCPublish-II-FirstnameLastname**. You should include your own first name and last name in the database file name. The save type should not be changed, and it is still .accdb.
4. Save.
5. Open the database from your own computer. Enable contents and allow editing. Now it is ready for this assignment.

Create queries to answer the following business questions.

Requirements for all queries

1. All questions should be answered with queries in your database. Other types of answers are not acceptable.
2. Create all the queries using **query design**, and name each query as suggested below. Make sure you save the complete, final version of all queries for submission.
3. You can create **select** queries, **update** queries and **crosstab** queries as needed. No other query types will be needed or acceptable.
4. The queries should only do what each question asks, or show necessary results to answer the questions. Do not expect other users (like me) to find the relevant information from a broad and general query result.

Questions/Queries

1. Pull out all the textbooks authored by Baltzan (last name). Show the books with book title, ISBN, Edition, and publish year. Save and name the query **1 Baltzans Books**. (4 pts)
2. Your company needs to contact the 1st author of each textbook and to discuss reprint options. Pull out the 1st author for all the books. Please note that the order of authors has been marked as integer values 1, 2, 3, etc. in the field Auth_Order in the AuthorshipLog table. The query result

- should show the following information in the given order: Book title, 1st author's last name, 1st author's email, and 1st author's phone. Save and name the query **2 First Author Contacts**. (4 pts)
3. Pull out all authors who participate in writing textbooks with title starting with the words "Business Driven". The query result should show the full book title, author last name, and author email. Save and name the query **3 Business Driven Books**. (4 pts)
 4. a) In the Textbooks table, add one field at the end and name it **Expected Profit**. This field should be a currency data type that holds 2 decimal places. Save and close this table. b) Use a query to calculate expected profits and to show the values in the Textbooks table. The expected profit of a book should be calculated as $\text{Print_QTY} * (\text{List_Price} - \text{Unit_Cost})$. Save and name the query **4 Expected Profits**. (5 pts)
 5. This query requires the completion of Q5. Use a query and show a grand total of expected profits by subjects. Save and name the query **5 Subject Profits**. (4 pts)
 6. This query requires the completion of Q5. a) In the AuthorshipLog table, add a field at the end and name it **Expected Compensation**. This field should be a currency data type that holds 2 decimal places. Save and close this table. b) Use a query to calculate expected compensation for each authorship record. Expected compensation = $\text{compensation_PCT} * \text{expected profit of the book}$. The query should also fill the resulting values into the newly created field in the AuthorshipLog table. Save and name the query **6 Expected Compensations**. (5 pts)
 7. Create a query that shows the total of Expected Compensations by authors (last name) in the columns and textbooks (title) in the rows. Save and name the query **7 Compensations by Authors and Books**. (4 pts)

Submission:

Make sure you have completed and saved all queries. Now close the Access program. Upload it to the Blackboard Access HW2 submission link.