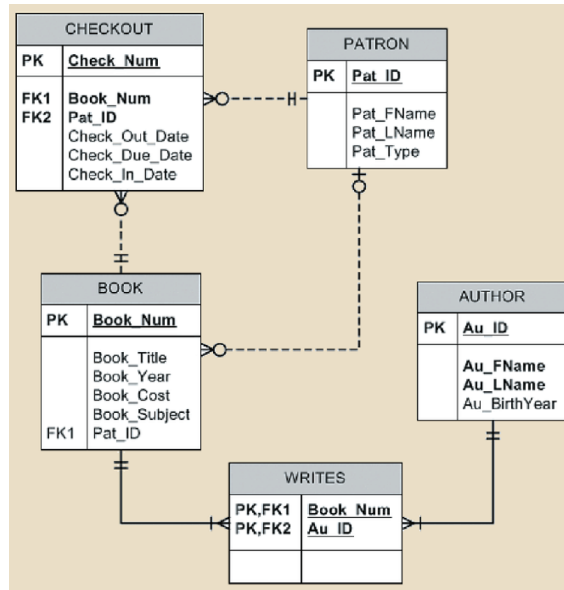


IN Class EXAM 2 REVIEW

Use the Fact database to answer the following. (hint you will need to download it and install it on your UARK EPIC account)



- Write a query that displays the book title, cost, and year of publications for every book in the system. Sort the results by book title. *Output should look like the following:*

Results Messages

	BOOK_TITLE	BOOK_COST	BOOK_YEAR
1	Beginner's Guide to JAVA	59.95	2014
2	Beyond the Database Veil	69.95	2016
3	C# in Middleware Deployment	59.95	2015
4	Capture the Cloud	69.95	2016
5	Cloud-based Mobile Applications	69.95	2015
6	Coding Style for Maintenance	49.95	2017
7	Conceptual Programming	59.95	2015
8	Database in the Cloud	79.95	2014
9	DATABASES in Theory	129.95	2015
10	iOS Programming	79.95	2015
11	It++ in Mobile Apps	49.95	2015

Query executed successfully

- Write a query that displays the first and last name of every patron and last name of every patron? *Output should look like the following:*

Results Messages

	PAT_FNAME	PAT_LNAME
1	Vera	Alvarado
2	Holly	Anthony
3	Cedric	Baldwin
4	Cory	Barry
5	Nadine	Blair
6	Erika	Bowen
7	Gerald	Burke
8	Ollie	Cantrell
9	robert	carter
10	Keith	Cooley

3. Write a query that to display the book number, book title, and subject for every book sorted by book number? *Output should look like the following:*

	BOOK_NUM	TITLE	Subject of Book
1	5235	Beginner's Guide to JAVA	Programming
2	5236	Database in the Cloud	Cloud
3	5237	Mastering the database environment	Database
4	5238	Conceptual Programming	Programming
5	5239	J++ in Mobile Apps	Programming
6	5240	iOS Programming	Programming
7	5241	JAVA First Steps	Programming
8	5242	C# in Middleware Deployment	Middleware
9	5243	DATABASES in Theory	Database
10	5244	Cloud-based Mobile Applications	Cloud

4. Write a query to display the checkout number, book number, and checkout date of all books checked out before April 5, 2017 sorted by checkout number. *Output should look like the following:*

	CHECK_NUM	BOOK_NUM	CHECK_OUT_DATE
1	91001	5235	2017-03-31
2	91002	5238	2017-03-31
3	91003	5240	2017-03-31
4	91004	5237	2017-03-31
5	91005	5236	2017-03-31

5. Write a query to display the book number, title, subject, and costs for all books that are on the subjects of "Middleware" or "Cloud" and that costs more than \$70, sort by book number. *Output should look like the following:*

	BOOK_NUM	BOOK_TITLE	BOOK_YEAR
1	5247	Shining Through the Cloud: Sun Programming	2016
2	5251	Thoughts on Revitalizing Ruby	2016
3	5253	Virtual Programming for Virtual Environments	2016
4	5254	Coding Style for Maintenance	2017

6. Write a query to display the number of books in the FACT system.

	Number of Books
1	20

7. Write a query to display the number of different book subjects in the FACT system.

Results		Messages
	Number of Subjects	
1	4	

8. Write a query to display the number of books that are available (not checked out)

Results		Messages
	Available Books	
1	14	

9. Write a query to display the author ID, first and last name, book number, and book title of all books in the subject "Cloud." Sort the results by book title and then by author last name. *Output should look like the following:*

Results		Messages			
	AU_ID	AU_FNAME	AU_LNAME	BOOK_NUM	BOOK_TITLE
1	251	Hugo	Bruer	5246	Capture the Cloud
2	262	Xia	Chiang	5244	Cloud-based Mobile Applications
3	284	Trina	Tankersly	5244	Cloud-based Mobile Applications
4	383	Neal	Walsh	5236	Database in the Cloud
5	262	Xia	Chiang	5249	Starlight Applications

10. Write a query to display the book number, title, and number of times each book has been checked out. Limit the results to books that have been checked out more than five times. Sort the results in descending order by the number of times checked out and then by title. *Output should look like the following:*

Results		Messages					
	BOOK_NUM	BOOK_TITLE	AU_LNAME	AU_FNAME	PAT_ID	PAT_LNAME	PAT_TYPE
1	5252	Beyond the Database Veil	Chiang	Xia	1229	Burke	Student
2	5242	C# in Middleware Deployment	Aggerwal	Manish	1228	Goodman	Student
3	5246	Capture the Cloud	Bruer	Hugo	1172	Miles	STUDENT
4	5238	Conceptual Programming	Palca	Julia	1229	Burke	Student
5	5240	iOS Programming	Beatney	Rachel	1212	McClain	Student
6	5249	Starlight Applications	Chiang	Xia	1207	Ramos	Student