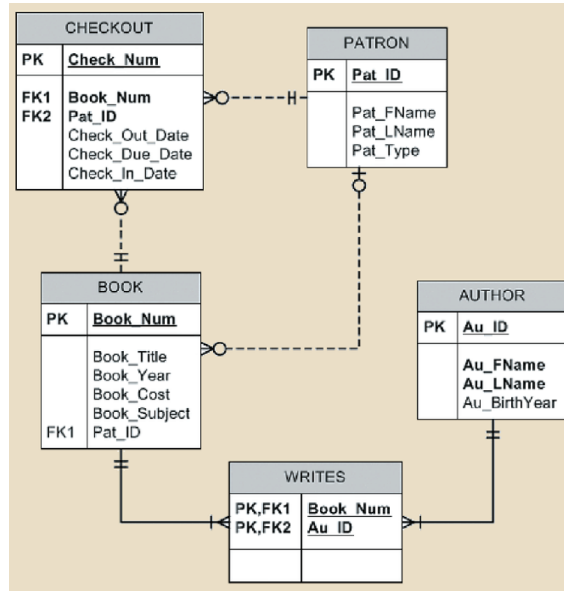


IN Class EXAM 2 REVIEW

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



1. 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.

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	10.95	2015

Query executed successfully

2. Write a query that displays the first and last name of every patron and last name of every patron?

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

- Write a query that to display the book number, book title, and subject for every book sorted by book number?

	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

- 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.

- 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.

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

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

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

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:

	au_id numeric (7)	au_fname character varying (30)	au_lname character varying (30)	book_num numeric (10)	book_title character varying (120)
1	251	Hugo	Bruer	5246	Capture the Cloud
2	262	Xia	Chiang	5244	Cloud-based Mobile Applica...
3	284	Trina	Tankersly	5244	Cloud-based Mobile Applica...
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.

	book_num numeric (10)	book_title character varying (120)	Times Checked Out bigint
1	5236	Database in the Cloud	12
2	5235	Beginner's Guide to JAVA	9
3	5240	iOS Programming	7
4	5238	Conceptual Programming	6