SQL Worksheet 2020

Disclaimer! If you have a result that is vastly different from mine don't assume mine is right and yours is wrong! Come and have a chat (I wrote these in a very quick time frame).

Expected query results

1.

title	genre
To Kill a Mocking Bird	Classic

2.

published	Δ	1
	195	50
	196	60
	197	79

3.

name	title
Sarah Martinez	To Kill a Mocking Bird
Sarah Martinez	To Kill a Mocking Bird
Mike Anderson	To Kill a Mocking Bird

4.

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name
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Daniel Lewis
Chris Jackson
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5.

name	title	ratings
Isaac Asimov	I Robot	5

7. name	ťitle
Sarah Martinez	To Kill a Mocking Bird

title max(ratings)

1776 3
Dune 3
I Robot 5
The Diary of a Young 3
The Neverending Stor 5
To Kill a Mocking Bi 4

title ratingSpread

I Robot 3
To Kill a Mocking Bird 2
Dune 1
The Diary of a Young Girl 1
The Neverending Story 1
1776 0

Tricky! You need to get the average rating of each Book made before 1970. Likewise for those after. I did this by creating two

tables in the FROM clause one before 1970 and one after. This would have created a Cartesian product at that point - which I wasn't interested in. I was simply using the FROM to create tables that I could then average. There might be a simpler way.

Modification

11. Add the reviewer John Green to your database, with an rID of 209.

12. Insert 5-star ratings by Daniel Lewis for all books in the database. Leave the review date as NULL. Do Not write five insert statements.

202	101	5	nu 1 1
202	102	5	null
202	103	5	null
202	104	5	null
202	105	5	null
202	106	5	null
202	107	5	null
202	108	5	null
The Co. 1			

13. For all books that have an average rating of 4 or higher, add 25 to the published year. (Update the existing Rows; don't insert new Rows.)

Before:

101 102 103 104 105 106 107	To Kill a Mocking Bi	1960
102	Animal Farm	1945
103	Dune	1965
104	The Diary of a Young	
105	The Princess Bride	1973
106	The Neverending Stor	1979
107	1776	2005
108	I Robot	1950
calitor		

After:

101	To Kill a Mocking Bi	1960
102	Animal Farm	
103	Dune	1965
104	The Diary of a Young	1947
105	The Princess Bride	
106	The Neverending Stor	2004
107	1776	2030
101 102 103 104 105 106 107	I Robot	1950

14. Remove all ratings where the book year is before 1970 or after 2000, and the rating is fewer than 4. After UPDATE is run:

FLD	D1D	ratings	ratıngDate
201	101	2	2011-01-22
201	101	4	2011-01-27
202	106	4	null
205	103	3	2011-01-27
205	104	2	2011-01-22
205	108	4	nu11
206	107	3	2011-01-15
206	106	5	2011-01-19
207	107	5	2011-01-20
202	101	5	null
202	102	5	nu 🛮 🕽
202	103	5	nu 🛮 🕽
202	104	5	null
202	105	5	null
202	106	5	null
202	107	5	null
202	108)	null
sqlite>			