ITCS 393 Database System Lab
Assignment #5

Overview of my assignment # 5

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6188055_Assignment...LL.master (sa (61))  ☐ ✕
USE NEWS_database;
-- Database System Lab: Assignment #5
-- Name: Mangkhales Ngamjaruskotchakorn
-- ID: 6188055 Section: 1 Date: 3/1/2021

-- Question 1: Show all author with the news that his or her writing, the URL of each news.
SELECT a.Author_Firstname + ' ' + a.Author_Surname as Author_Fullname,
n.NewsTopic,
n.URL as URL_of_this_news
FROM Author a
LEFT JOIN News n ON a.AuthorID = n.AuthorID;

-- Question 2: Show all news and their related topics of those news, who wrote those news, and category.
SELECT n.NewsTopic,
rt.Topics_Name as RelatedTopics,
a.Author_Firstname + ' ' + a.Author_Surname as Author_Fullname,
c.Category_Name as Category
FROM News n
JOIN RelatedTopics rt ON n.NewsID = rt.NewsID
JOIN Author a ON n.AuthorID = a.AuthorID
JOIN Category c ON n.CategoryID = c.CategoryID;

-- Question 3: Show all news with their published Date and Comment from the user, Author nickname, additional information code, news category.
SELECT n.NewsTopic,n.PublishedDate,
co.Content as News_Comment,
a.Author_Nickname as Author,
rt.RelatedTopicsID as Additional_information,
ca.Category_Name as Category
FROM News n
JOIN Comment co ON n.NewsID = co.NewsID
JOIN Author a ON n.AuthorID = a.AuthorID
JOIN RelatedTopics rt ON n.NewsID = rt.NewsID
JOIN Category ca ON  n.CategoryID = ca.CategoryID;
```

Question 1:

```
6188055_Assignment...database (sa (61))  ☐ ✕
USE NEWS_database;
-- Database System Lab: Assignment #5
-- Name: Mangkhales Ngamjaruskotchakorn
-- ID: 6188055 Section: 1 Date: 3/1/2021

-- Question 1: Show all author with the news that his or her writing, the URL of each news.
SELECT a.Author_Firstname + ' ' + a.Author_Surname as Author_Fullname,
n.NewsTopic,
n.URL as URL_of_this_news
FROM Author a
LEFT JOIN News n ON a.AuthorID = n.AuthorID;

-- Question 2: Show all news and their related topics of those news, who wrote those news, and category.
SELECT n.NewsTopic,
rt.Topics_Name as RelatedTopics,
a.Author_Firstname + ' ' + a.Author_Surname as Author_Fullname,
c.Category_Name as Category
FROM News n
JOIN RelatedTopics rt ON n.NewsID = rt.NewsID
JOIN Author a ON n.AuthorID = a.AuthorID
JOIN Category c ON n.CategoryID = c.CategoryID;

-- Question 3: Show all news with their published Date and Comment from the user, Author nickname, additional information code, news category.
SELECT n.NewsTopic,n.PublishedDate,
co.Content as News_Comment,
a.Author_Nickname as Author,
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Results | Messages

	Author_Fullname	NewsTopic	URL_of_this_news
1	Chad Schnell	Airlines ground Boeing 777s after Denver engine f...	https://www.bbc.com/news/world-us-canada-56149894
2	Christina Beverly	Texas weather: State should pay soaring power bil...	https://www.bbc.com/news/world-us-canada-56147311
3	Aungsan Kyi	Myanmar coup: Military leaders must release Aung ...	https://www.bbc.com/news/uk-politics-56149359
4	Novak Djokovic	Covid: Australian Open fans criticised for 'booing v...	https://www.bbc.com/news/world-australia-56150021
5	Suniti Singh	The most important humanitarian gesture in decad...	https://www.bbc.com/news/av/world-latin-america-56...

Question2:

```sql
6188055_Assignment...database (sa (61))

SELECT a.Author_Firstname + ' ' + a.Author_Surname as Author_Fullname,
n.NewsTopic,
n.URL as URL_of_this_news
FROM Author a
LEFT JOIN News n ON a.AuthorID = n.AuthorID;

-- Question 2: Show all news and their related topics of those news, who wrote those news, and category.
SELECT n.NewsTopic,
rt.Topics_Name as RelatedTopics,
a.Author_Firstname + ' ' + a.Author_Surname as Author_Fullname,
c.Category_Name as Category
FROM News n
JOIN RelatedTopics rt ON n.NewsID = rt.NewsID
JOIN Author a ON n.AuthorID = a.AuthorID
JOIN Category c ON n.CategoryID = c.CategoryID;

-- Question 3: Show all news with their published Date and Comment from the user, Author nickname, additional information code, news category.
SELECT n.NewsTopic,n.PublishedDate,
co.Content as News_Comment,
a.Author_Nickname as Author,
rt.RelatedTopicsID as Additional_information,
ca.Category_Name as Category
FROM News n
JOIN Comment co ON n.NewsID = co.NewsID
JOIN Author a ON n.AuthorID = a.AuthorID
JOIN RelatedTopics rt ON n.NewsID = rt.NewsID
```

	NewsTopic	RelatedTopics	Author_Fullname	Category
1	Airlines ground Boeing 777s after Denver engine f...	Indonesia plane crash probe focuses on autothro...	Chad Schnell	AirTravel
2	Texas weather: State should pay soaring power bill...	A model for urban renewal or a warning sign?	Christina Beverly	UnitedStates
3	Myanmar coup: Military leaders must release Aung ...	Myanmar coup: At least two killed as police dispe...	Aungsan Kyi	Politics
4	Covid: Australian Open fans criticised for 'booing v...	Covid: Anti-vaccination protests held in Australia ...	Novak Djokovic	Sport
5	The most important humanitarian gesture in decad...	Venezuela crisis in 300 words	Suniti Singh	Economic

Question3:

```sql
6188055_Assignment...database (sa (61))

-- Question 2: Show all news and their related topics of those news, who wrote those news, and category.
SELECT n.NewsTopic,
rt.Topics_Name as RelatedTopics,
a.Author_Firstname + ' ' + a.Author_Surname as Author_Fullname,
c.Category_Name as Category
FROM News n
JOIN RelatedTopics rt ON n.NewsID = rt.NewsID
JOIN Author a ON n.AuthorID = a.AuthorID
JOIN Category c ON n.CategoryID = c.CategoryID;

-- Question 3: Show all news with their published Date and Comment from the user, Author nickname, additional information code, news category.
SELECT n.NewsTopic,n.PublishedDate,
co.Content as News_Comment,
a.Author_Nickname as Author,
rt.RelatedTopicsID as Additional_information,
ca.Category_Name as Category
FROM News n
JOIN Comment co ON n.NewsID = co.NewsID
JOIN Author a ON n.AuthorID = a.AuthorID
JOIN RelatedTopics rt ON n.NewsID = rt.NewsID
JOIN Category ca ON  n.CategoryID = ca.CategoryID;
```

	NewsTopic	PublishedDate	News_Comment	Author	Additional_information	Category
1	Airlines ground Boeing 777s after Denver engine f...	2021-02-21	I just knew something was wrong	Max	R01	AirTravel
2	Texas weather: State should pay soaring power bill...	2021-02-21	I love to see that volunteers handing out food t...	Jane	R02	UnitedStates
3	Myanmar coup: Military leaders must release Aung ...	2021-02-21	Why creatives are concerning Myanmar's army	Suu	R03	Politics
4	Covid: Australian Open fans criticised for 'booing v...	2021-02-21	Police clash with anti-vaccine protesters in Mel...	John	R04	Sport
5	The most important humanitarian gesture in decad...	2021-02-21	It is an issue that has repercussions for the who...	Paul	R05	Economic