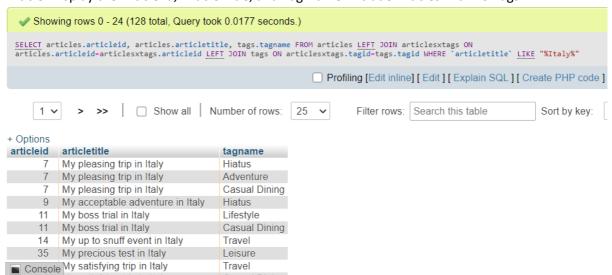
HTTP5105 Assignment 3

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Section: A Student #:

Question 1: Find every Article with a Title mentioning "Italy". Include the Tags associated with each Article. Display the Article Id, Article Title, and Tag Name. Include Articles with no Tags.



Final Query

SELECT articles.articleid, articles.articletitle, tags.tagname FROM articles

LEFT JOIN articlesxtags ON articles.articleid=articlesxtags.articleid LEFT JOIN tags ON articlesxtags.tagid=tags.tagid

WHERE 'articletitle' LIKE "%Italy%"

Base Query

SELECT articles.articleid FROM `articles` WHERE `articletitle` LIKE "%Italy%"

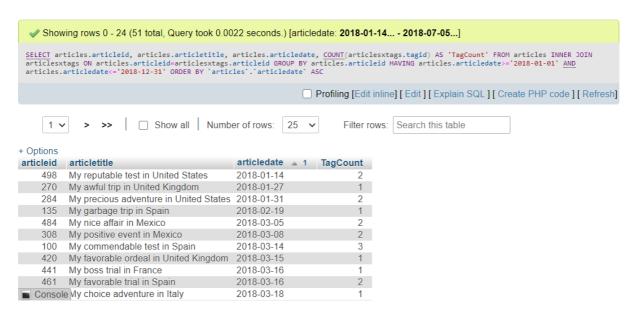
Diagnostic Query

SELECT articles.articleid, articles.articletitle, count(tags.tagname) FROM articles

LEFT JOIN articlesxtags ON articles.articleid=articlesxtags.articleid LEFT JOIN tags ON articlesxtags.tagid=tags.tagid

WHERE articles.articleid=7

Question 2: Find every Article with an Article Date within the year 2018. Include the Article Id, Article Title and another column called "TagCount" which represents the number of Tags associated with each Article. Only include Articles which have Tags.



Final Query

SELECT articles.articleid, articles.articletitle, articles.articledate, COUNT(articlesxtags.tagid) AS 'TagCount'

FROM articles

 ${\tt INNER\ JOIN\ articles xtags\ ON\ articles}. article id = articles xtags. article id \\ {\tt GROUP\ BY\ articles}. article id$

HAVING articles.articledate>='2018-01-01' AND articles.articledate<='2018-12-31'

Base Query

SELECT articles.articleid, articles.articletitle, articles.articledate, FROM articles

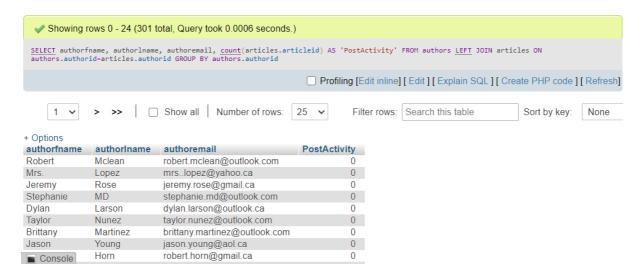
INNER JOIN articlesxtags ON articles.articleid=articlesxtags.articleid

Diagnostic Query

SELECT articles.articleid, articles.articletitle, articles.articledate, articlesxtags.tagid FROM articles

INNER JOIN articlesxtags ON articles.articleid=articlesxtags.articleid WHERE articles.articleid=254

Question 3: Compute the "PostActivity" value for each Author. A "PostActivity" value is how many Articles that an Author has published. Include Authors with a "PostActivity" of 0. Include the Author's First Name, Last Name, Email, and the Author's PostActivity.



Final Query

SELECT authorfname, authorlname, authoremail, count(articles.articleid) AS 'PostActivity' FROM authors

LEFT JOIN articles ON authors.authorid=articles.authorid GROUP BY authors.authorid

Base Query

SELECT authorfname, authorlname, authoremail, articles.articleid FROM authors

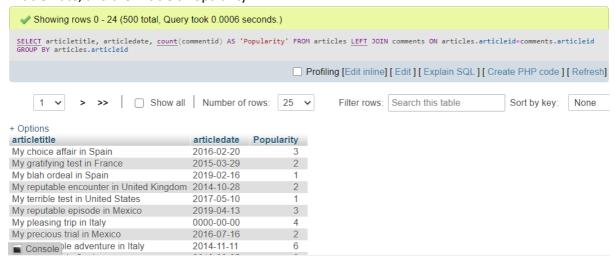
LEFT JOIN articles ON authors.authorid=articles.authorid

Diagnostic Query

SELECT authorfname, authorlname, authoremail, articles.articleid FROM authors

LEFT JOIN articles ON authors.authorid=articles.authorid WHERE authoremaiL='linda.thompson@yahoo.com'

Question 4: Compute the "Popularity" value for each Article. A "Popularity" value is how many Comments an Article has. Include values where the "Popularity" is 0. Include the Article Title and Article Date, and the Article's Popularity.



Final Query

SELECT articletitle, articledate, count(commentid) AS 'Popularity' FROM articles

LEFT JOIN comments ON articles.articleid=comments.articleid GROUP BY articles.articleid

Base Query

SELECT articletitle, articledate, commentid FROM articles

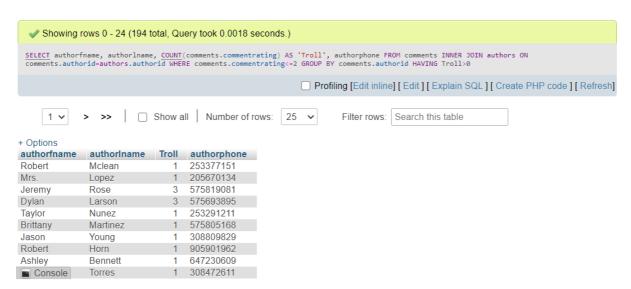
LEFT JOIN comments ON articles.articleid=comments.articleid

Diagnostic Query

SELECT articletitle, articledate, commentid FROM articles

LEFT JOIN comments ON articles.articleid=comments.articleid WHERE `articletitle` LIKE 'My choice affair in Spain' AND `articledate`='2016-02-20'

Question 5: List the "Troll" value for each Author. A "Troll" value is the total number of Comments with a Comment Rating of 2 or less for each Author. Only include Authors with a "Troll" value above 0. Include the Author's First Name, Last Name, Troll value, and Phone Number so we can call their parents.



Final Query

SELECT authorfname, authorlname, COUNT(comments.commentrating) AS 'Troll', authorphone FROM comments

INNER JOIN authors ON comments.authorid=authors.authorid

WHERE comments.commentrating<=2

GROUP BY comments.authorid

HAVING Troll>0

Base Query

SELECT authorfname, authorlname, COUNT(comments.commentrating), authorphone FROM comments

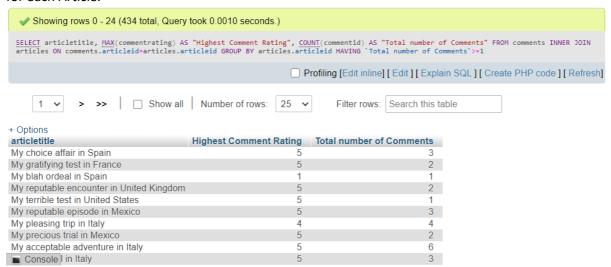
INNER JOIN authors ON comments.authorid=authors.authorid GROUP BY authors.authorid

Diagnostic Query

SELECT authorfname, authorlname, comments.commentrating, authorphone FROM comments

INNER JOIN authors ON comments.authorid=authors.authorid WHERE authorphone=575693895

Question 6: Display the highest Comment Rating for each Article. Only include Articles which have 1 or more Comments. Include the Article Title, Comment Rating, and the total number of Comments for each Article.



Final Query

SELECT articletitle, MAX(commentrating) AS "Highest Comment Rating", COUNT(commentid) AS "Total number of Comments"

FROM comments

INNER JOIN articles ON comments.articleid=articles.articleid GROUP BY articles.articleid HAVING `Total number of Comments`>=1

Base Query

SELECT articletitle, commentrating FROM comments

INNER JOIN articles ON comments.articleid=articles.articleid

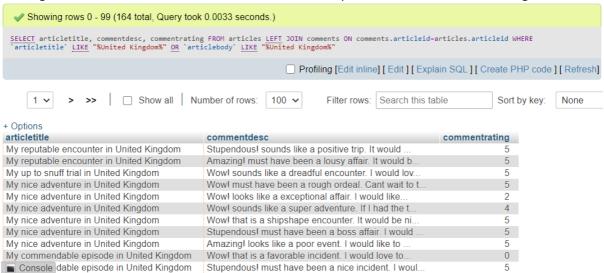
Diagnostic Query

SELECT articletitle, commentrating

FROM comments

INNER JOIN articles ON comments.articleid=articles.articleid WHERE articletitle='My acceptable adventure in Italy'

Question 7: Print out every Article with an Article Title or Article Body mentioning "United Kingdom". If the Article has any Comments, list them as well, but only if the Comment has a Comment Rating of 2 or higher. Include the Article Title, the Comment Description, and the Comment Rating.



Full Query

SELECT articletitle, commentdesc, commentrating FROM articles

LEFT JOIN comments ON comments.articleid=articles.articleid WHERE `articletitle` LIKE "%United Kingdom%" OR `articlebody` LIKE "%United Kingdom%"

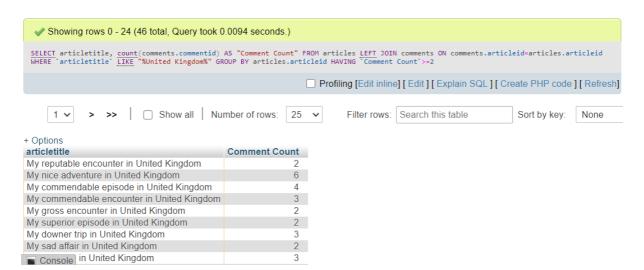
Base Query

SELECT articletitle, commentrating FROM articles

LEFT JOIN comments ON comments.articleid=articles.articleid

Diagnostic Query

Question 8: Print out every Article mentioning "United Kingdom" in the Article Title and the number of Comments associated with those Articles. Only include Articles which have 2 or more Comments associated with the Article. Include the Article Title and the number of Comments associated with Article.



Final Query

SELECT articletitle, count(comments.commentid) AS "Comment Count" FROM articles

LEFT JOIN comments ON comments.articleid=articles.articleid

WHERE 'articletitle' LIKE "%United Kingdom%"

GROUP BY articles.articleid

HAVING `Comment Count`>=2

Base Query

SELECT articletitle

FROM articles

LEFT JOIN comments ON comments.articleid=articles.articleid WHERE `articletitle` LIKE "%United Kingdom%"

Diagnostic Query

SELECT articletitle, comments.commentid

FROM articles

LEFT JOIN comments ON comments.articleid=articles.articleid WHERE `articletitle`="My commendable episode in United Kingdom"