

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.

✓ Showing rows 0 - 24 (128 total, Query took 0.0177 seconds.)

```
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%"
```

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articleid	articletitle	tagname
7	My pleasing trip in Italy	Hiatus
7	My pleasing trip in Italy	Adventure
7	My pleasing trip in Italy	Casual Dining
9	My acceptable adventure in Italy	Hiatus
11	My boss trial in Italy	Lifestyle
11	My boss trial in Italy	Casual Dining
14	My up to snuff event in Italy	Travel
35	My precious test in Italy	Leisure
Console	My satisfying trip in Italy	Travel

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.

✓ Showing rows 0 - 24 (51 total, Query took 0.0022 seconds.) [articledate: 2018-01-14... - 2018-07-05...]

```
SELECT articles.articleid, articles.articletitle, articles.articledate, COUNT(articlesxtags.tagid) AS 'TagCount' FROM articles INNER JOIN articlesxtags ON articles.articleid=articlesxtags.articleid GROUP BY articles.articleid HAVING articles.articledate>='2018-01-01' AND articles.articledate<='2018-12-31' ORDER BY `articles`.`articledate` ASC
```

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articleid	articletitle	articledate	TagCount
498	My reputable test in United States	2018-01-14	2
270	My awful trip in United Kingdom	2018-01-27	1
284	My precious adventure in United States	2018-01-31	2
135	My garbage trip in Spain	2018-02-19	1
484	My nice affair in Mexico	2018-03-05	2
308	My positive event in Mexico	2018-03-08	2
100	My commendable test in Spain	2018-03-14	3
420	My favorable ordeal in United Kingdom	2018-03-15	1
441	My boss trial in France	2018-03-16	1
461	My favorable trial in Spain	2018-03-16	2
Console	My choice adventure in Italy	2018-03-18	1

Final Query

```
SELECT articles.articleid, articles.articletitle, articles.articledate, COUNT(articlesxtags.tagid) AS 'TagCount'
FROM articles
      INNER JOIN articlesxtags ON articles.articleid=articlesxtags.articleid
GROUP BY articles.articleid
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.

✓ Showing rows 0 - 24 (301 total, Query took 0.0006 seconds.)

```
SELECT authorfname, authorlname, authoremail, count(articles.articleid) AS 'PostActivity' FROM authors LEFT JOIN articles ON authors.authorid=articles.authorid GROUP BY authors.authorid
```

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authorfname	authorlname	authoremail	PostActivity
Robert	McClean	robert.mcclean@outlook.com	0
Mrs.	Lopez	mrs..lopez@yahoo.ca	0
Jeremy	Rose	jeremy.rose@gmail.ca	0
Stephanie	MD	stephanie.md@outlook.com	0
Dylan	Larson	dylan.larson@outlook.ca	0
Taylor	Nunez	taylor.nunez@outlook.com	0
Brittany	Martinez	brittany.martinez@outlook.com	0
Jason	Young	jason.young@aol.ca	0
Console	Horn	robert.horn@gmail.ca	0

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.

✓ Showing rows 0 - 24 (500 total, Query took 0.0006 seconds.)

```
SELECT articletitle, articledate, count(commentid) AS 'Popularity' FROM articles LEFT JOIN comments ON articles.articleid=comments.articleid
GROUP BY articles.articleid
```

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articletitle	articledate	Popularity
My choice affair in Spain	2016-02-20	3
My gratifying test in France	2015-03-29	2
My blah ordeal in Spain	2019-02-16	1
My reputable encounter in United Kingdom	2014-10-28	2
My terrible test in United States	2017-05-10	1
My reputable episode in Mexico	2019-04-13	3
My pleasing trip in Italy	0000-00-00	4
My precious trial in Mexico	2016-07-16	2
My ple adventure in Italy	2014-11-11	6

Console

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.

✓ Showing rows 0 - 24 (194 total, Query took 0.0018 seconds.)

```
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
```

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authorfname	authorlname	Troll	authorphone
Robert	McClean	1	253377151
Mrs.	Lopez	1	205670134
Jeremy	Rose	3	575819081
Dylan	Larson	3	575693895
Taylor	Nunez	1	253291211
Brittany	Martinez	1	575805168
Jason	Young	1	308809829
Robert	Horn	1	905901962
Ashley	Bennett	1	647230609
Console	Torres	1	308472611

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.

✓ Showing rows 0 - 24 (434 total, Query took 0.0010 seconds.)

```
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
```

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1 ▾

> >>

☐ Show all

Number of rows: 25 ▾

Filter rows:

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articletitle	Highest Comment Rating	Total number of Comments
My choice affair in Spain	5	3
My gratifying test in France	5	2
My blah ordeal in Spain	1	1
My reputable encounter in United Kingdom	5	2
My terrible test in United States	5	1
My reputable episode in Mexico	5	3
My pleasing trip in Italy	4	4
My precious trial in Mexico	5	2
My acceptable adventure in Italy	5	6
Console in Italy	5	3

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.

✓ Showing rows 0 - 99 (164 total, Query took 0.0033 seconds.)

```
SELECT articletitle, commentdesc, commentrating FROM articles LEFT JOIN comments ON comments.articleid=articles.articleid WHERE `articletitle` LIKE "%United Kingdom%" OR `articlebody` LIKE "%United Kingdom%"
```

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1 > >> ☐ Show all Number of rows: 100 Filter rows: Search this table Sort by key: None

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articletitle	commentdesc	commentrating
My reputable encounter in United Kingdom	Stupendous! sounds like a positive trip. It would ...	5
My reputable encounter in United Kingdom	Amazing! must have been a lousy affair. It would b...	5
My up to snuff trial in United Kingdom	Wow! sounds like a dreadful encounter. I would lov...	5
My nice adventure in United Kingdom	Wow! must have been a rough ordeal. Cant wait to t...	5
My nice adventure in United Kingdom	Wow! looks like a exceptional affair. I would like...	2
My nice adventure in United Kingdom	Wow! sounds like a super adventure. If I had the t...	4
My nice adventure in United Kingdom	Wow! that is a shipshape encounter. It would be ni...	5
My nice adventure in United Kingdom	Stupendous! must have been a boss affair. I would ...	5
My nice adventure in United Kingdom	Amazing! looks like a poor event. I would like to ...	5
My commendable episode in United Kingdom	Wow! that is a favorable incident. I would love to ...	0
Console dable episode in United Kingdom	Stupendous! must have been a nice incident. I woul...	5

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.

✓ Showing rows 0 - 24 (46 total, Query took 0.0094 seconds.)

```
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
```

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1 > >> | ☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

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articletitle	Comment Count
My reputable encounter in United Kingdom	2
My nice adventure in United Kingdom	6
My commendable episode in United Kingdom	4
My commendable encounter in United Kingdom	3
My gross encounter in United Kingdom	2
My superior episode in United Kingdom	2
My downer trip in United Kingdom	3
My sad affair in United Kingdom	2
Console in United Kingdom	3

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"
```