

HTTP5105 Assignment 2

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Section: A

Student #:

Question 1:

Find all authors, as well as any articles they may have written. Include the Authors First Name, the Article Title, Article Body, and the Author Join Date. Order by the Author's First Name.

Showing rows 0 - 24 (510 total, Query took 0.0011 seconds.) [authorfname: ALEXANDER... - ASHLEY...]

```
SELECT `authorfname`, `articletitle`, `articlebody`, `authorjoindate` FROM `authors` LEFT JOIN `articles` ON
authors.authorid=articles.authorid ORDER BY `authorfname`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

authorfname	articletitle	articlebody	authorjoindate
Alexander	My choice trip in Italy	My favorite travel experience was my School Excurs...	2015-02-09
Amanda	My honorable encounter in France	I seem to recall my Journey to France last Year. I...	2019-05-14
Amanda	My cheap ordeal in Spain	I seem to recall my School Excursion to Spain last...	2015-02-28
Amanda	My excellent affair in United Kingdom	My favorite travel experience was my Business Trip...	2015-02-28
Amanda	My crummy episode in France	A good memory of mine was my Vacation to France la...	2015-02-28
Amanda	My first-class ordeal in Spain	I seem to recall my Adventure to Spain last Summer...	2015-02-28
Amanda	My bad incident in United Kingdom	Let me tell you a story about my Journey to United...	2017-08-07
Amber	NULL	NULL	2019-05-18
Amber	My crummy affair in France	A good memory of mine was my Adventure to France I...	2018-05-22
Amber	My acceptable affair in Spain	This is about the time my School Excursion to Spai...	2014-04-07
Amy	My downer test in Mexico	Let me tell you a story about my Adventure to Mexi...	2014-03-26
Amy	My gnarly episode in United States	A good memory of mine was my Journey to United Sta...	2014-03-26
Amy	My inferior trip in Italy	A good memory of mine was my Adventure to Italy la...	2019-02-16
Amy	My lousy test in Spain	Let me tell you a story about my Journey to Spain ...	2019-02-16
Andrea	My marvelous encounter in United Kingdom	This is about the time my Vacation to United Kingd...	2014-08-18

Author

Articles

Shaded region is:
All authors as well as their
articles

```
SELECT `authorfname`, `articletitle`, `articlebody`, `authorjoindate`
FROM `authors` LEFT JOIN `articles` ON authors.authorid=articles.authorid
ORDER BY `authorfname`
```

Question 2:

Find all articles written between April and July of 2019. If that article has an author, include that information as well. Include the Article Title, Article Date, The Author's Last Name, The Author ID (Both Primary Key and Foreign Key), and the Article's ID. Order by the Article Date with most recent Articles First.

✓ Showing rows 0 - 24 (54 total, Query took 0.0009 seconds.) [articledate: 2019-07-29... - 2019-06-15...]

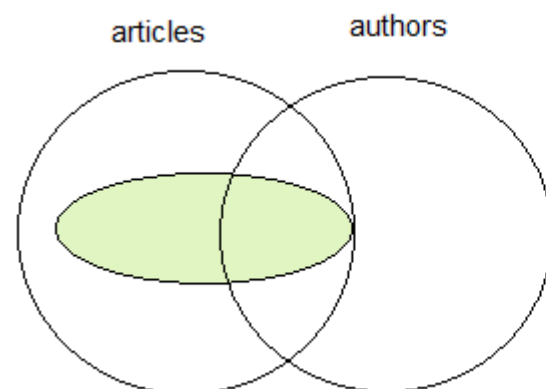
```
SELECT `articletitle`, `articledate`, `authorlname`, articles.authorid AS "authorid_FK", authors.authorid AS "authorid_PK", `articleid` FROM
`articles` LEFT JOIN `authors` ON authors.authorid=articles.authorid WHERE `articledate` BETWEEN '2019-04-01' AND '2019-07-30' ORDER BY
`articledate` DESC
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

articletitle	articledate	authorlname	authorid_FK	authorid_PK	articleid
My satisfactory ordeal in United Kingdom	2019-07-29	Flores	73	73	247
My dreadful incident in Mexico	2019-07-29	Jackson	280	280	387
My dreadful incident in Spain	2019-07-28	Arnold	274	274	37
My excellent encounter in Spain	2019-07-28	Miller	125	125	112
My superior trial in Mexico	2019-07-26	Arnold	274	274	339
My excellent trip in United States	2019-07-24	Gonzalez	207	207	472
My awful trial in Spain	2019-07-22	Miller	125	125	495
My bad trip in France	2019-07-21	Jones	174	174	250
My terrible affair in Spain	2019-07-20	Gonzalez	207	207	463
My up to snuff test in United Kingdom	2019-07-19	Jones	174	174	261
My sound episode in Spain	2019-07-18	Jones	174	174	94
My gnarly trip in France	2019-07-18	Jones	174	174	392



Shaded region is:

All articles meeting the condition in the WHERE statement as well as their authors.

```
SELECT `articletitle`, `articledate`, `authorlname`, articles.authorid AS "authorid_FK",
authors.authorid AS "authorid_PK", `articleid`
FROM `articles` LEFT JOIN `authors` ON authors.authorid=articles.authorid
WHERE `articledate` BETWEEN '2019-04-01' AND '2019-07-30'
ORDER BY `articledate` DESC
```

Question 3:

Find all authors who have written articles that mention breakfast and the United States. Include the Article Title, Article Body, the Author's First Name and Phone number. Order by the Author's phone number.

✓ Showing rows 0 - 11 (12 total, Query took 0.0029 seconds.)

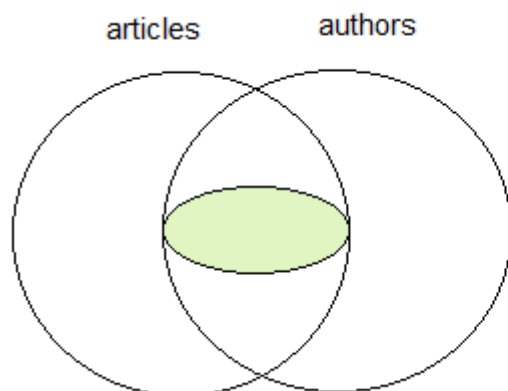
```
SELECT `articletitle`, `articlebody`, `authorfname`, `authorphone` FROM `articles` INNER JOIN `authors` ON  
authors.authorid=articles.authorid WHERE `articlebody` LIKE "%breakfast%" AND `articlebody` LIKE "%United States%" ORDER BY `authorphone`
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

articletitle	articlebody	authorfname	authorphone
My stupendous adventure in United States	Let me tell you a story about my Adventure to Unit...	Carolyn	205660693
My pleasing trial in United States	Let me tell you a story about my Adventure to Unit...	Brandon	253482988
My downer trip in United States	A good memory of mine was my Adventure to United S...	Stacy	308060613
My downer affair in United States	I seem to recall my Adventure to United States las...	Gabrielle	308068288
My splendid incident in United States	I seem to recall my Vacation to United States last...	Matthew	575469587
My precious adventure in United States	Let me tell you a story about my Vacation to Unite...	Kathy	575880058
My excellent trip in United States	Let me tell you a story about my Trip to United St...	Emily	575880271
My shipshape encounter in United States	This is about the time my School Excursion to Unit...	Jennifer	647291334
My reputable test in United States	This is about the time my Journey to United States...	Pamela	647581701
My honorable ordeal in United States	A good memory of mine was my Vacation to United St...	Ronald	905660389
My terrible test in United States	I seem to recall my School Excursion to United Sta...	Joseph	970192261
My welcome episode in United States	This is about the time my School Excursion to Unit...	Joseph	970192261



Shaded region represents:
All articles with authors in author's table (and vice versa), which meet the conditions in the WHERE statement.

```
SELECT `articletitle`, `articlebody`, `authorfname`, `authorphone`  
FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid  
WHERE `articlebody` LIKE "%breakfast%" AND `articlebody` LIKE "%United States%"  
ORDER BY `authorphone`
```

Question 4:

Find all authors who have joined within 20 months or have mentioned a bunny in their Bio. If that author has written any articles, include that information as well. Include the Author First Name + " " + Author Last Name as "Author Name", Author Join Date, Author First Name + " writes about " + Article Title + " on " + Article Date, as "Summary", as well as the Article Body and Author Bio.

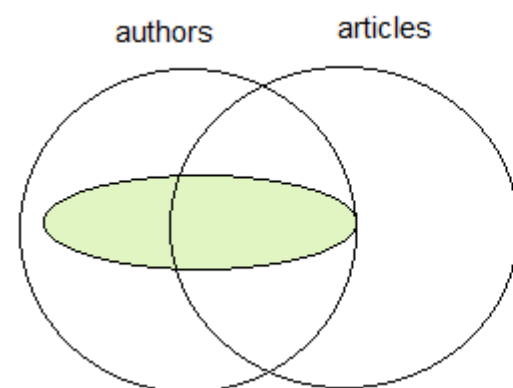
Showing rows 0 - 24 (93 total, Query took 0.0017 seconds.)

```
SELECT CONCAT(`authorfname`, " ", `authorlname`) AS "Author Name", `authorjoindate`, CONCAT(`authorfname`, " writes about ", `articletitle`, " on ", `articledate`) AS "Summary", `articlebody`, `authorbio` FROM `authors` LEFT JOIN `articles` ON authors.authorid=articles.authorid WHERE (`authorjoindate` BETWEEN DATE_SUB(CURDATE(), INTERVAL 20 month) AND CURDATE()) OR (`authorbio` LIKE "%bunny%")
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

Author Name	authorjoindate	Summary	articlebody	authorbio
Dylan Larson	2019-02-08	NULL	NULL	Greetings! My name is Dylan. Right now, I am a Tea...
Ashley Bennett	2019-03-27	NULL	NULL	Hey there! I am Ashley. I guess you could call me ...
James Perez	2019-02-21	NULL	NULL	How's it going? Im James. Right now, I am a Inspire...
Patricia Haynes	2019-07-28	NULL	NULL	How's it going? I am Patricia. I guess you could ca...
Jill Henderson	2019-07-12	NULL	NULL	Hi! My name is Jill. Right now, I am a Inspired In...
Thomas Santos	2019-06-11	NULL	NULL	Nice to meet you! My name is Thomas. Friends call ...
Jason King	2019-08-21	NULL	NULL	Nice to meet you! I am Jason. I am a Student. When...
Paula Young	2019-02-09	NULL	NULL	Hello My name is Paula. I guess you could call me ...
Beth Crosby	2019-06-23	Beth writes about My nice affair in United States ...	My favorite travel experience was my School Excurs...	Greetings! Im Beth. I would describe myself as a J...



Shaded region represents:
Authors meeting conditions in the WHERE statement as well as articles authored by them.

```
SELECT CONCAT(`authorfname`, " ", `authorlname`) AS "Author Name", `authorjoindate`,
CONCAT(`authorfname`, " writes about ", `articletitle`, " on ", `articledate`) AS "Summary",
`articlebody`, `authorbio`
FROM `authors` LEFT JOIN `articles` ON authors.authorid=articles.authorid
WHERE (`authorjoindate` BETWEEN DATE_SUB(CURDATE(), INTERVAL 20 month) AND
CURDATE()) OR (`authorbio` LIKE "%bunny%")
```


Question 5:

Find articles written by authors having a phone number starting with 905, 647, or 308. If an author has a matching phone number without any articles, include that author as well. Include all information about the Article and the Author. Use Right Join Syntax.

✓ Showing rows 0 - 99 (251 total, Query took 0.0013 seconds.)

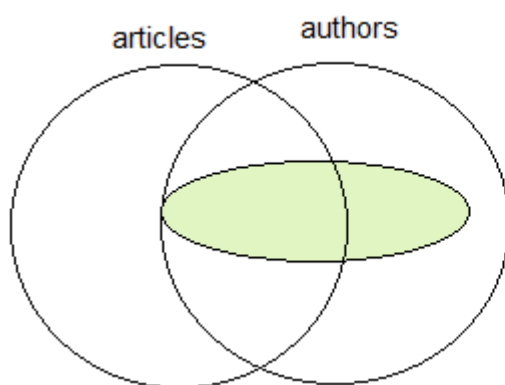
```
SELECT * FROM `articles` RIGHT JOIN `authors` ON authors.authorid=articles.authorid WHERE (`authorphone` LIKE "905%") OR (`authorphone` LIKE "647%") OR (`authorphone` LIKE "308%")
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

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

+ Options

articleid	authorid	articletitle	articlebody	articledate	authorid	authorfname	authorlname	authorphone	authorjoinda
NULL	NULL	NULL	NULL	NULL	8	Jason	Young	308809829	2015-05-10
NULL	NULL	NULL	NULL	NULL	9	Robert	Horn	905901962	2015-09-25
NULL	NULL	NULL	NULL	NULL	11	Zachary	Murray	308339021	2014-11-11
NULL	NULL	NULL	NULL	NULL	12	Ashley	Bennett	647230609	2019-03-27



Shaded region represents:
Authors meeting conditions in the WHERE statement as well as articles authored by them.

```
SELECT *
FROM `articles` RIGHT JOIN `authors` ON authors.authorid=articles.authorid
WHERE (`authorphone` LIKE "905%") OR (`authorphone` LIKE "647%") OR (`authorphone` LIKE "308%")
```