HTTP5105 Assignment 1

Full Name: Jalaluddin Qureshi
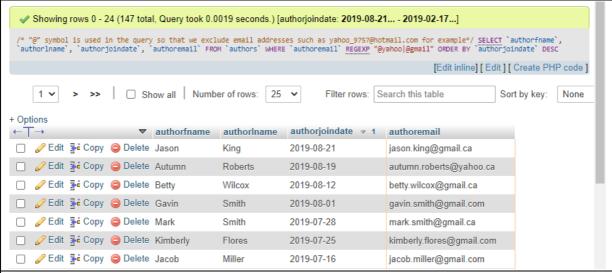Section: A
Student #:

Question 1:
Find the first name, last name, and email of all authors with an ID of exactly 50.

✔ Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

SELECT `authorfname`, `authorlname`, `authoremail` FROM `authors` WHERE `authorid`=50

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

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

+ Options

←T→ ▼ | authorfname | authorlname | authoremail
☐ 🖉 Edit ⧉ Copy ⊖ Delete | Lawrence | Collins | lawrence.collins@yahoo.com

↥ ☐ Check all   With selected: 🖉 Edit ⧉ Copy ⊖ Delete 📄 Export

SELECT `authorfname`, `authorlname`, `authoremail`
FROM `authors`
WHERE `authorid`=50

Question 2:
Find all authors who have a first name starting with the letter "M" and a last name starting with a letter "S".

✔ Showing rows 0 - 1 (2 total, Query took 0.0008 seconds.)

SELECT * FROM `authors` WHERE `authorfname` LIKE "M%" && `authorlname` LIKE "S%"

☐ 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 ⌄

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←T→ ▼	authorid	authorfname	authorlname	authorphone	authorjoindate	authoremail
☐ 🖉 Edit ⧉ Copy ⊖ Delete	33	Michelle	Sanchez	647626300	2014-02-23	michelle.sanchez@aol.con
☐ 🖉 Edit ⧉ Copy ⊖ Delete	108	Mark	Smith	308579730	2019-07-28	mark.smith@gmail.ca

↥ ☐ Check all   With selected: 🖉 Edit ⧉ Copy ⊖ Delete 📄 Export

SELECT *
FROM `authors`
WHERE `authorfname` LIKE "M%" && `authorlname` LIKE "S%"

Question 3:
Find all authors who are registered with gmail or yahoo as their email provider. Display the author's first name, last name, join date, and email. Order by the join date column with the most recent first.

	authorfname	authorlname	authorjoindate ▼ 1	authoremail
☐ 🖉 Edit ⬚ Copy ⬤ Delete	Jason	King	2019-08-21	jason.king@gmail.ca
☐ 🖉 Edit ⬚ Copy ⬤ Delete	Autumn	Roberts	2019-08-19	autumn.roberts@yahoo.ca
☐ 🖉 Edit ⬚ Copy ⬤ Delete	Betty	Wilcox	2019-08-12	betty.wilcox@gmail.ca
☐ 🖉 Edit ⬚ Copy ⬤ Delete	Gavin	Smith	2019-08-01	gavin.smith@gmail.com
☐ 🖉 Edit ⬚ Copy ⬤ Delete	Mark	Smith	2019-07-28	mark.smith@gmail.ca
☐ 🖉 Edit ⬚ Copy ⬤ Delete	Kimberly	Flores	2019-07-25	kimberly.flores@gmail.com
☐ 🖉 Edit ⬚ Copy ⬤ Delete	Jacob	Miller	2019-07-16	jacob.miller@gmail.com

```
/* "@" symbol is used in the query so that we exclude email addresses such as
yahoo_9757@hotmail.com for example*/
SELECT `authorfname`, `authorlname`, `authorjoindate`, `authoremail`
FROM `authors`
WHERE `authoremail` REGEXP "@yahoo|@gmail"
ORDER BY `authorjoindate` DESC
```

Question 4:
Find all authors who mention "rock music" in their bio and have accounts over 3 years old. If an author mentions "student" in their bio, include them as well, regardless if their account is over 3 years old.

authorid	authorfname	authorlname	authorphone	authorjoindate	authoremail	authorbio

```
SELECT *
FROM `authors`
WHERE (`authorbio` LIKE "%rock music%" AND DATEDIFF(CURDATE(),
`authorjoindate`)>(365*3)) OR (`authorbio` LIKE "%student%")
```

Question 5:
Find every Author and the Articles that they've written. Include the Author's First Name, Last Name, and the Article Title.

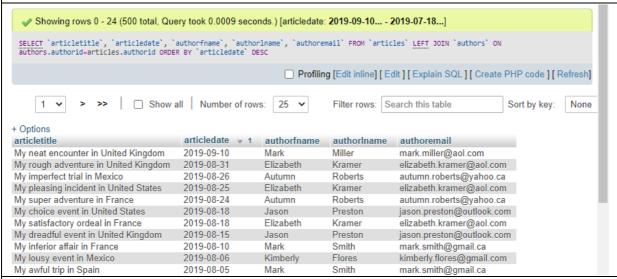| authorfname	authorlname	articletitle
Robert	Mclean	NULL
Mrs.	Lopez	NULL
Jeremy	Rose	NULL
Stephanie	MD	NULL
Dylan	Larson	NULL
Taylor	Nunez	NULL
Brittany	Martinez	NULL
Jason	Young	NULL
Robert	Horn	NULL
Kyle	Washington	NULL
Zachary	Murray	NULL
Ashley	Bennett	NULL

SELECT `authorfname`, `authorlname`, `articletitle`
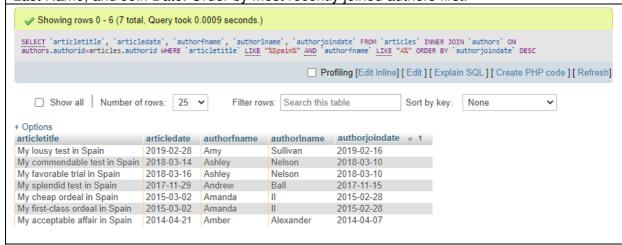FROM `authors` LEFT JOIN `articles` ON authors.authorid=articles.authorid

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Question 6:
Find every Article and the Authors who wrote them. Include the Article Title, Article Date, Author First Name, Author Last Name, and Author Email. Sort by the Article Date with most recent Articles First.

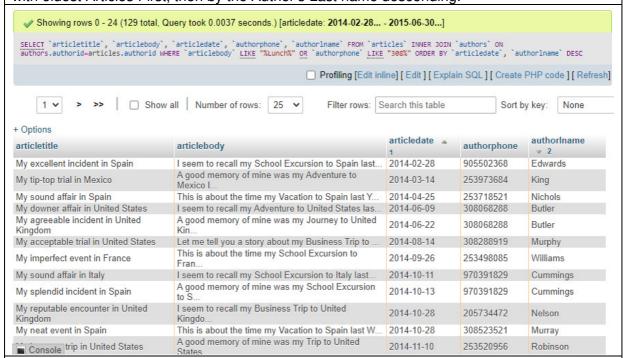| articletitle	articledate ▾ 1	authorfname	authorlname	authoremail
My neat encounter in United Kingdom	2019-09-10	Mark	Miller	mark.miller@aol.com
My rough adventure in United Kingdom	2019-08-31	Elizabeth	Kramer	elizabeth.kramer@aol.com
My imperfect trial in Mexico	2019-08-26	Autumn	Roberts	autumn.roberts@yahoo.ca
My pleasing incident in United States	2019-08-25	Elizabeth	Kramer	elizabeth.kramer@aol.com
My super adventure in France	2019-08-24	Autumn	Roberts	autumn.roberts@yahoo.ca
My choice event in United States	2019-08-18	Jason	Preston	jason.preston@outlook.com
My satisfactory ordeal in France	2019-08-18	Elizabeth	Kramer	elizabeth.kramer@aol.com
My dreadful event in United Kingdom	2019-08-15	Jason	Preston	jason.preston@outlook.com
My inferior affair in France	2019-08-10	Mark	Smith	mark.smith@gmail.ca
My lousy event in Mexico	2019-08-06	Kimberly	Flores	kimberly.flores@gmail.ca
My awful trip in Spain	2019-08-05	Mark	Smith	mark.smith@gmail.ca

SELECT `articletitle`, `articledate`, `authorfname`, `authorlname`, `authoremail`
FROM `articles` LEFT JOIN `authors` ON authors.authorid=articles.authorid
ORDER BY `articledate` DESC

Question 7: Find every article which mentions Spain in the title and has an Author whose First Name starts with A. Include the Article Title, Article Date, Author First Name, Author Last Name, and Join Date. Order by most recently joined authors first.

Showing rows 0 - 6 (7 total, Query took 0.0009 seconds.)

```
SELECT `articletitle`, `articledate`, `authorfname`, `authorlname`, `authorjoindate` FROM `articles` INNER JOIN `authors` ON
authors.authorid=articles.authorid WHERE `articletitle` LIKE "%Spain%" AND `authorfname` LIKE "A%" ORDER BY `authorjoindate` DESC
```

☐ 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 ▼

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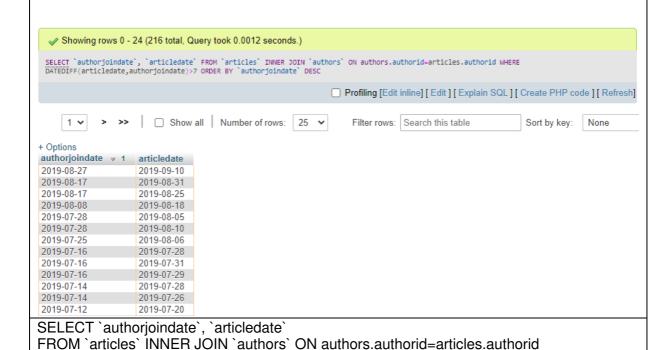| articletitle	articledate	authorfname	authorlname	authorjoindate ▼ 1
My lousy test in Spain	2019-02-28	Amy	Sullivan	2019-02-16
My commendable test in Spain	2018-03-14	Ashley	Nelson	2018-03-10
My favorable trial in Spain	2018-03-16	Ashley	Nelson	2018-03-10
My splendid test in Spain	2017-11-29	Andrew	Ball	2017-11-15
My cheap ordeal in Spain	2015-03-02	Amanda	II	2015-02-28
My first-class ordeal in Spain	2015-03-02	Amanda	II	2015-02-28
My acceptable affair in Spain	2014-04-21	Amber	Alexander	2014-04-07

```
SELECT `articletitle`, `articledate`, `authorfname`, `authorlname`, `authorjoindate`
FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid
WHERE `articletitle` LIKE "%Spain%" AND `authorfname` LIKE "A%"
ORDER BY `authorjoindate` DESC
```

Question 8: Find every article which mentions Lunch in the body, or has an associated author with a phone number which starts with 308. Include the Article Title, Article Body, and Article Date, Author's Phone Number and Author's Last Name. Order by the Article Date, with oldest Articles First, then by the Author's Last name descending.

Showing rows 0 - 24 (129 total, Query took 0.0037 seconds.) [articledate: **2014-02-28... - 2015-06-30...**]
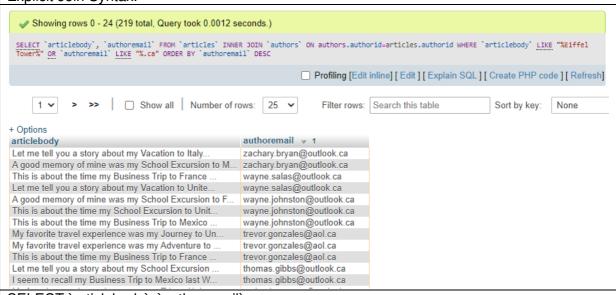
```
SELECT `articletitle`, `articlebody`, `articledate`, `authorphone`, `authorlname` FROM `articles` INNER JOIN `authors` ON
authors.authorid=articles.authorid WHERE `articlebody` LIKE "%Lunch%" OR `authorphone` LIKE "308%" ORDER BY `articledate`, `authorlname` DESC
```

☐ 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 ▼

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articletitle	articlebody	articledate ▲ 1	authorphone	authorlname ▼ 2
My excellent incident in Spain	I seem to recall my School Excursion to Spain last...	2014-02-28	905502368	Edwards
My tip-top trial in Mexico	A good memory of mine was my Adventure to Mexico I...	2014-03-14	253973684	King
My sound affair in Spain	This is about the time my Vacation to Spain last Y...	2014-04-25	253718521	Nichols
My downer affair in United States	I seem to recall my Adventure to United States las...	2014-06-09	308068288	Butler
My agreeable incident in United Kingdom	A good memory of mine was my Journey to United Kin...	2014-06-22	308068288	Butler
My acceptable trial in United States	Let me tell you a story about my Business Trip to ...	2014-08-14	308288919	Murphy
My imperfect event in France	This is about the time my School Excursion to Fran...	2014-09-26	253498085	Williams
My sound affair in Italy	I seem to recall my School Excursion to Italy last...	2014-10-11	970391829	Cummings
My splendid incident in Spain	A good memory of mine was my School Excursion to S...	2014-10-13	970391829	Cummings
My reputable encounter in United Kingdom	I seem to recall my Business Trip to United Kingdo...	2014-10-28	205734472	Nelson
My neat event in Spain	This is about the time my Vacation to Spain last W...	2014-10-28	308523521	Murray
☐ Console trip in United States	A good memory of mine was my Trip to United States	2014-11-10	253520956	Robinson

```
SELECT `articletitle`, `articlebody`, `articledate`, `authorphone`, `authorlname`
FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid
WHERE `articlebody` LIKE "%Lunch%" OR `authorphone` LIKE "308%"
ORDER BY `articledate`, `authorlname` DESC
```

Question 9: Find every author with an associated article. Include the Author Join Date and Article Date. Print out every article that was written more than one week after the Author Join Date. Order by Author Join Date with most recent first.

Showing rows 0 - 24 (216 total, Query took 0.0012 seconds.)

```
SELECT `authorjoindate`, `articledate` FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid WHERE
DATEDIFF(articledate,authorjoindate)>7 ORDER BY `authorjoindate` 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 |

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authorjoindate ▽ 1	articledate
2019-08-27	2019-09-10
2019-08-17	2019-08-31
2019-08-17	2019-08-25
2019-08-08	2019-08-18
2019-07-28	2019-08-05
2019-07-28	2019-08-10
2019-07-25	2019-08-06
2019-07-16	2019-07-28
2019-07-16	2019-07-31
2019-07-16	2019-07-29
2019-07-14	2019-07-28
2019-07-14	2019-07-26
2019-07-12	2019-07-20

SELECT `authorjoindate`, `articledate`
FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid
WHERE DATEDIFF(articledate,authorjoindate)>7
ORDER BY `authorjoindate` DESC

Question 10: Find every author with an associated article, but only for the articles that mention the "Eiffel Tower" in the Article Body or Authors with a suffix of ".ca" in their Email Address. Include the Article Body, Author Email. Order by the Author Email descending. Use Explicit Join Syntax.
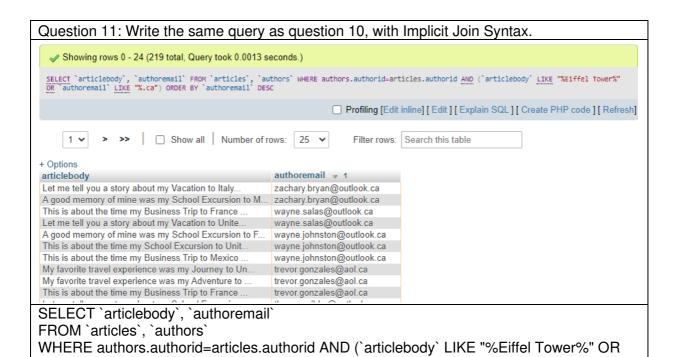
Showing rows 0 - 24 (219 total, Query took 0.0012 seconds.)

```
SELECT `articlebody`, `authoremail` FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid WHERE `articlebody` LIKE "%Eiffel
Tower%" OR `authoremail` LIKE "%.ca" ORDER BY `authoremail` 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 |

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articlebody	authoremail ▽ 1
Let me tell you a story about my Vacation to Italy...	zachary.bryan@outlook.ca
A good memory of mine was my School Excursion to M...	zachary.bryan@outlook.ca
This is about the time my Business Trip to France ...	wayne.salas@outlook.ca
Let me tell you a story about my Vacation to Unite...	wayne.salas@outlook.ca
A good memory of mine was my School Excursion to F...	wayne.johnston@outlook.ca
This is about the time my School Excursion to Unit...	wayne.johnston@outlook.ca
This is about the time my Business Trip to Mexico ...	wayne.johnston@outlook.ca
My favorite travel experience was my Journey to Un...	trevor.gonzales@aol.ca
My favorite travel experience was my Adventure to ...	trevor.gonzales@aol.ca
This is about the time my Business Trip to France ...	trevor.gonzales@aol.ca
Let me tell you a story about my School Excursion ...	thomas.gibbs@outlook.ca
I seem to recall my Business Trip to Mexico last W...	thomas.gibbs@outlook.ca

SELECT `articlebody`, `authoremail`
FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid
WHERE `articlebody` LIKE "%Eiffel Tower%" OR `authoremail` LIKE "%.ca"
ORDER BY `authoremail` DESC

Question 11: Write the same query as question 10, with Implicit Join Syntax.

articlebody	authoremail ˅ 1
Let me tell you a story about my Vacation to Italy...	zachary.bryan@outlook.ca
A good memory of mine was my School Excursion to M...	zachary.bryan@outlook.ca
This is about the time my Business Trip to France ...	wayne.salas@outlook.ca
Let me tell you a story about my Vacation to Unite...	wayne.salas@outlook.ca
A good memory of mine was my School Excursion to F...	wayne.johnston@outlook.ca
This is about the time my School Excursion to Unit...	wayne.johnston@outlook.ca
This is about the time my Business Trip to Mexico ...	wayne.johnston@outlook.ca
My favorite travel experience was my Journey to Un...	trevor.gonzales@aol.ca
My favorite travel experience was my Adventure to ...	trevor.gonzales@aol.ca
This is about the time my Business Trip to France ...	trevor.gonzales@aol.ca

SELECT `articlebody`, `authoremail`
FROM `articles`, `authors`
WHERE authors.authorid=articles.authorid AND (`articlebody` LIKE "%Eiffel Tower%" OR `authoremail` LIKE "%.ca")
ORDER BY `authoremail` DESC

Question 12: Find every author with an associated article. Include one column named "Summary" which reads:
{Article Title} + " By " + {Author First Name} + " " + {Author Last Name}
Eg. "My Super Trip to the United States by Jack Smith"

Summary
My choice affair in Spain By Nicholas Travis
My gratifying test in France By Mark Jackson
My blah ordeal in Spain By David Garcia
My reputable encounter in United Kingdom By Nicole...
My terrible test in United States By Joseph Olson
My reputable episode in Mexico By Betty Crosby
My precious trial in Mexico By Christine Rose
My acceptable adventure in Italy By Patricia Robin...
My awful trip in Spain By Mark Smith
My boss trial in Italy By Janet Williams
My downer trip in United States By Stacy Rosario
My welcome test in France By Wayne Johnston
My up to snuff event in Italy By Carolyn Ruiz
My marvelous ordeal in United States By Cheryl Hic...
My crummy affair in France By Amber Mclean

SELECT CONCAT(`articletitle`, " By ", `authorfname`, " ", `authorlname`) AS "Summary"
FROM `articles` INNER JOIN `authors` ON authors.authorid=articles.authorid