Hoi Wan Louis

Introduction to PHP

Lab 8, assignment 1

Using the entries\_denormalized table:

1. List all of the rows and all of the columns in the entries\_denormalized table.

SELECT \*

FROM `entries\_denormalized`

LIMIT 0 , 30

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 05:48 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT \* FROM `entries\_denormalized` LIMIT 0, 30 ;

Rows: 8 id email name title entry date\_created

1 steve@gmail.com Steve Apple Will Use It In A Breakthrough Product bla bla bla... 2012-08-11 20:21:25

2 grace@gmail.com Grace Fox News Anchor Went On An EPIC Rant About The GOP... bla bla bla... 2012-08-11 20:21:25

3 Alyson@gmail.com Alyson Should Startups Get Special Treatment? bla bla bla... 2012-08-11 20:21:25

4 seth@gmail.com Seth Executive's Plan To Build A Huge Home Has Enraged ... bla bla bla... 2012-08-11 20:21:25

5 julie@gmail.com Julie Looking For A New Job Title? This Hilarious Websit... bla bla bla... 2012-08-11 20:21:25

6 matt@gmail.com Matt Yelp Said Something On Its Earnings Call Today Tha... bla bla bla... 2012-08-11 20:21:25

7 julie@gmail.com Julie 17 Enterprise Startups To Bet Your Career On bla bla bla... 2012-08-11 20:21:25

8 matt@gmail.com Matt Windows 'Live' Is Dead bla bla bla... 2012-08-11 20:21:25

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2. List only the rows and all of the columns in the entries\_denormalized table where

author’s name is Julie.

SELECT \*

FROM `entries\_denormalized`

WHERE name = 'Julie'

LIMIT 0 , 30

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 05:46 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT \* FROM `entries\_denormalized` WHERE name = 'Julie' LIMIT 0, 30 ;

Rows: 2 id email name title entry date\_created

5 julie@gmail.com Julie Looking For A New Job Title? This Hilarious Websit... bla bla bla... 2012-08-11 20:21:25

7 julie@gmail.com Julie 17 Enterprise Startups To Bet Your Career On bla bla bla... 2012-08-11 20:21:25

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3. How many rows in the entries\_denormalized table have been written by Julie (hint

use COUNT() and GROUP BY)?

SELECT COUNT(name) FROM `entries\_denormalized` where name='Julie' Group by name

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 05:49 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT COUNT(name) FROM `entries\_denormalized` where name='Julie' Group by name LIMIT 0, 30 ;

Rows: 1 COUNT(name)

2

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Using the entries and authors tables:

!email: joe@gmail.com

!name: Joe

INSERT INTO `authors`

(

email, name

)

VALUES (

'joe@gmail.com', 'Joe'

)

SQL query: SELECT \* FROM `authors` where name = 'Joe';

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 05:53 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT \* FROM `authors` where name = 'Joe' LIMIT 0, 30 ;

Rows: 1 id email name

7 joe@gmail.com Joe

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! title: Another Hint Of Bad Jobs News...

! entry: Yesterday ticking up.

! author\_id: 7

insert into

`entries` (title, entry, author\_id)

values ( 'Another Hint Of Bad Jobs News...', 'Yesterday ticking up', 7)

1 row inserted.

Inserted row id: 9 ( Query took 0.0530 sec )

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! title: Remember Gold?

! entry: It sure is quiet these days

! author\_id: 7

INSERT INTO `entries` (

title,

entry,

author\_id

)

VALUES (

'Remember Gold?', 'It sure is quiet these days', 7

)

1 row inserted.

Inserted row id: 10 ( Query took 0.0485 sec )

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! title: The US Market Is Remarkable

! entry: Maybe thanks to Ben?

! author\_id: 7

INSERT INTO `entries` (

title,

entry,

author\_id

)

VALUES (

'The US Market Is Remarkable', 'Maybe thanks to Ben?', 7

)

1 row inserted.

Inserted row id: 11 ( Query took 0.0590 sec )

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Answer the following questions:

1. Print a full list of entries along with the email and name of the author who created the entry (hint: INNER JOIN).

SELECT \*

FROM `entries`

INNER JOIN `authors` ON entries.author\_id = authors.id

LIMIT 0 , 30

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 05:55 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT \* FROM `entries` INNER JOIN `authors` ON entries.author\_id = authors.id LIMIT 0 , 30;

Rows: 11 id author\_id title entry date\_created id email name

1 1 Apple Will Use It In A Breakthrough Product bla bla bla... 2012-08-11 20:21:26 1 steve@gmail.com Steve

2 2 Fox News Anchor Went On An EPIC Rant About The GOP... bla bla bla... 2012-08-11 20:21:26 2 grace@gmail.com Grace

3 3 Should Startups Get Special Treatment? bla bla bla... 2012-08-11 20:21:26 3 Alyson@gmail.com Alyson

4 4 Executive's Plan To Build A Huge Home Has Enraged ... bla bla bla... 2012-08-11 20:21:26 4 seth@gmail.com Seth

5 5 Looking For A New Job Title? This Hilarious Websit... bla bla bla... 2012-08-11 20:21:26 5 julie@gmail.com Julie

6 6 Yelp Said Something On Its Earnings Call Today Tha... bla bla bla... 2012-08-11 20:21:26 6 matt@gmail.com Matt

7 5 17 Enterprise Startups To Bet Your Career On bla bla bla... 2012-08-11 20:21:26 5 julie@gmail.com Julie

8 6 Windows 'Live' Is Dead bla bla bla... 2012-08-11 20:21:26 6 matt@gmail.com Matt

9 7 Another Hint Of Bad Jobs News... Yesterday ticking up 2012-08-12 13:53:45 7 joe@gmail.com Joe

10 7 Remember Gold? It sure is quiet these days 2012-08-12 13:54:20 7 joe@gmail.com Joe

11 7 The US Market Is Remarkable Maybe thanks to Ben? 2012-08-12 13:55:16 7 joe@gmail.com Joe

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2. Print a full list of authors along with the number of entries they created. Sort this list in descending order of the number of entries they created (hint: INNER JOIN, COUNT and GROUP BY).

SELECT authors.id, authors.email, authors.name, count( entries.author\_id ) AS countEntries

FROM `authors`

INNER JOIN entries ON entries.author\_id = authors.id

GROUP BY authors.name

ORDER BY count( entries.author\_id ) desc

LIMIT 0 , 30

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 06:31 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT authors.id, authors.email, authors.name, count( entries.author\_id ) AS countEntries FROM `authors` INNER JOIN entries ON entries.author\_id = authors.id GROUP BY authors.name ORDER BY count( entries.author\_id ) desc LIMIT 0 , 30 ;

Rows: 7 id email name countEntries

7 joe@gmail.com Joe 3

5 julie@gmail.com Julie 2

6 matt@gmail.com Matt 2

4 seth@gmail.com Seth 1

1 steve@gmail.com Steve 1

2 grace@gmail.com Grace 1

3 alyson@yahoo.com Alyson 1

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3. Print a full list of entries (no other table’s data) and list them in order in which they were created.

SELECT \*

FROM `entries`

order by `date\_created` ASC

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 06:03 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT \* FROM `entries` order by `date\_created` ASC LIMIT 0, 30 ;

Rows: 11 id author\_id title entry date\_created

1 1 Apple Will Use It In A Breakthrough Product bla bla bla... 2012-08-11 20:21:26

2 2 Fox News Anchor Went On An EPIC Rant About The GOP... bla bla bla... 2012-08-11 20:21:26

3 3 Should Startups Get Special Treatment? bla bla bla... 2012-08-11 20:21:26

4 4 Executive's Plan To Build A Huge Home Has Enraged ... bla bla bla... 2012-08-11 20:21:26

5 5 Looking For A New Job Title? This Hilarious Websit... bla bla bla... 2012-08-11 20:21:26

6 6 Yelp Said Something On Its Earnings Call Today Tha... bla bla bla... 2012-08-11 20:21:26

7 5 17 Enterprise Startups To Bet Your Career On bla bla bla... 2012-08-11 20:21:26

8 6 Windows 'Live' Is Dead bla bla bla... 2012-08-11 20:21:26

9 7 Another Hint Of Bad Jobs News... Yesterday ticking up 2012-08-12 13:53:45

10 7 Remember Gold? It sure is quiet these days 2012-08-12 13:54:20

11 7 The US Market Is Remarkable Maybe thanks to Ben? 2012-08-12 13:55:16

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4. Alyson changed her email address to alyson@yahoo.com, update only this row in the

database.

update `authors`

set `email` = 'alyson@yahoo.com'

where `name` = 'Alyson'

1 row affected. ( Query took 0.1458 sec )

SQL result

Host: localhost

Database: hoi

Generation Time: Aug 12, 2012 at 06:05 PM

Generated by: phpMyAdmin 3.5.1 / MySQL 5.5.24-log

SQL query: SELECT \* FROM `authors` WHERE name = 'Alyson' LIMIT 0, 30 ;

Rows: 1 id email name

3 alyson@yahoo.com Alyson

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5. Steve no longer works on this blog, delete his account, but don’t forget to also delete

all of the entries he created.

// google hint

// DELETE FROM boards, topics, messages

// USING boards INNER JOIN topics INNER JOIN messages

// WHERE boards.boardid = $boardid

// AND topics.boardid = boards.boardid

// AND messages.boardid = boards.boardid;

delete from `authors`, `entries`

using `authors`

inner join `entries`

where `authors.name` = 'Steve' and `entries.author\_id` = `authors.id`

delete `authors`, `entries`

from `authors`

inner join `entries` on `entries.author\_id` = `authors.id`

where `authors.name` = 'Steve'

**Dave -**

**CANNOT GET DELETE TO WORK using 1 statement. What am I doing wrong?**

delete `entries` from `entries`, `authors`

where `authors`.name = 'Steve' and `entries`.author\_id = `authors`.id

1 row deleted. ( Query took 0.0544 sec )

// verify entries is deleted

Select `author\_id` from `entries`

where `author\_id` = 1

MySQL returned an empty result set (i.e. zero rows). ( Query took 0.0003 sec )

delete `authors` from `authors`

where `authors`.name = 'Steve'

1 row deleted. ( Query took 0.0491 sec )

// verify Steve:id=1 is gone.

Select `id` from `authors`

where `authors`.name = 'Steve'

MySQL returned an empty result set (i.e. zero rows). ( Query took 0.0003 sec )

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