

CT230 Database Systems – Assignment 4

By Luke Gibbons – 19/10/2018

Plagiarism Declaration:

“I am aware of what plagiarism is and include this here to confirm that this work is my own”

Screenshot of SQL command output for date, time, name & student ID:

MySQL » mysql1.it.nuigalway.ie » mydb4338 » SQL command

SQL command

```
select now(), database(), "Luke Gibbons", "15553883"
```

now()	database()	Luke Gibbons	15553883
2018-10-19 15:35:25	mydb4338	Luke Gibbons	15553883

Question 1:

MySQL » mysql1.it.nuigalway.ie » mydb4338 » SQL command

SQL command

```
SELECT COUNT(*) AS JarLeeOrders  
FROM orders  
WHERE salesRep = "Jar Lee"
```

JarLeeOrders

2

1 row (0.002 s) Edit, EXPLAIN, Export

```
SELECT COUNT(*) AS JarLeeOrders  
FROM orders  
WHERE salesRep = "Jar Lee"
```

Question 2:

MySQL » mysql1.it.nuigalway.ie » mydb4338 » SQL command

SQL command

```
SELECT title, pubYear, avgRating
FROM book
WHERE avgRating = ( SELECT MIN(avgRating)
                    FROM book )
```

title	pubYear	avgRating
Forgotten Waltz	2011	3
The Gathering	2007	3
Love and Summer	2009	3

3 rows (0.002 s) [Edit](#), [EXPLAIN](#), [Export](#)

```
SELECT title, pubYear, avgRating
FROM book
WHERE avgRating = ( SELECT MIN(avgRating)
                    FROM book )
```

Question 3:

MySQL » mysql1.it.nuigalway.ie » mydb4338 » SQL command

SQL command

```
SELECT title, pubYear, quantity
FROM book INNER JOIN orderDetails ON isbn = bookISBN
WHERE quantity = ( SELECT MAX(quantity)
                   FROM orderDetails)
```

title	pubYear	quantity
The Wonder	2016	12
A Slanting of the Sun	2015	12
Little Fires Everywhere	2017	12

3 rows (0.002 s) [Edit](#), [EXPLAIN](#), [Export](#)

```
SELECT title, pubYear, quantity
FROM book INNER JOIN orderDetails ON isbn = bookISBN
WHERE quantity = ( SELECT MAX(quantity)
                   FROM orderDetails)
```

Question 4:

MySQL » mysql1.it.nuigalway.ie » mydb4338 » SQL command

SQL command

```
SELECT title, genre, fName, surname, rrPrice
FROM book INNER JOIN author ON authorID = aID
WHERE rrPrice > (SELECT AVG(rrPrice)
                 FROM book)
```

title	genre	fName	surname	rrPrice
Outline	Novel	Rachel	Cusk	15.3
The Gathering	Novel	Anne	Enright	14
The Green Road	Novel	Anne	Enright	15
Kudos	Novel	Rachel	Cusk	13.99
The Wonder	Fiction	Emma	Donoghue	20
Americanah	Novel	Chimamanda Ngozi	Adichie	25
The Spinning Heart	Fiction	Donal	Ryan	15.3
Everything I Never Told You	Novel	Celeste	Ng	13.5
Little Fires Everywhere	Novel	Celeste	Ng	18.5
House of Names	Novel	Colm	Toibin	14.4
Thirteen Ways of Looking	Fiction	Colum	Mc Cann	15

Question 5

MySQL » mysql1.it.nuigalway.ie » mydb4338 » SQL command

SQL command

[illegible]

shopName

Dubray

Charlie Byrnes

2 rows (0.002 s) Edit, EXPLAIN, Export

```
SELECT shopName  
FROM bookShop  
WHERE county = 'Galway' AND shopNo IN (  
    SELECT sNo  
        From orders  
            Where salesRep = 'Zoe Smith')
```

Question 6

MySQL » mysql1.it.nuigalway.ie » mydb4338 » SQL command

SQL command

```
SELECT fName, surname, count(authorID) AS booksPublished
FROM author INNER JOIN book ON aID = authorID
GROUP BY aID
HAVING booksPublished >= 3
```

fName	surname	booksPublished
Anne	Enright	3
Emma	Donoghue	3
Colm	Toibin	5
Rachel	Cusk	3

4 rows (0.002 s) Edit, EXPLAIN, Export

```
SELECT fName, surname, count(authorID) AS booksPublished
FROM author INNER JOIN book ON aID = authorID
GROUP BY aID
HAVING booksPublished >= 3
```