

CT230 Database Systems – Assignment 3

By Luke Gibbons – 13/10/2018

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
2018-10-13 18:18:05	mydb4338	Luke Gibbons	15553883

Question 1:

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

SQL command

```
SELECT fName, surname  
FROM author
```

fName	surname
Anne	Enright
John	Mc Gahern
Emma	Donoghue
William	Trevor
Donal	Ryan
Colm	Toibin
Maggie	O' Farrell
Joseph	O' Connor
Colum	Mc Cann
Chimamanda Ngozi	Adichie
Rachel	Cusk
Richard	Flanagan
Celeste	Ng

13 rows (0.002 s) Edit, EXPLAIN, Export

```
SELECT fName, surname  
FROM author
```

Question 2:

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

SQL command

```
SELECT shopName
FROM bookShop
WHERE city = 'Galway' AND county = 'Galway'
```

shopName

Easons

Dubray

Charlie Byrnes

Village Bookshop

4 rows (0.002 s) Edit, EXPLAIN, Export

```
SELECT shopName
FROM bookShop
WHERE city = 'Galway' AND county = 'Galway';
```

Question 3:

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

SQL command

```
SELECT MIN(CAST(rrPrice AS decimal(5,2))) AS MinPrice
FROM book
WHERE genre = "Fiction"
```

MinPrice

9.70

1 row (0.002 s) Edit, EXPLAIN, Export

```
SELECT MAX(CAST(rrPrice AS decimal(5,2))) AS MaxPrice
FROM book
WHERE genre = "Fiction"
```

MaxPrice

20.00

1 row (0.001 s) Edit, EXPLAIN, Export

```
SELECT AVG(CAST(rrPrice AS decimal(5,2))) AS AvgPrice
FROM book
WHERE genre = "Fiction"
```

AvgPrice

13.373750

1 row (0.001 s) Edit, EXPLAIN, Export

Question 4:

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

SQL command

```
SELECT title, pubYear
FROM book, author
WHERE aID = authorID AND fName = 'Colm' and surname = 'Toibin'
```

title	pubYear
The Empty Family	2010
Brooklyn	2010
The Testament of Mary	2012
Nora Webster	2014
House of Names	2017

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

```
SELECT title, pubYear
FROM book, author
WHERE aID = authorID AND fName = 'Colm' and surname = 'Toibin';
```

Question 5

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

SQL command

```
SELECT shopName, street, city, county
FROM bookShop INNER JOIN orders ON sNo = shopNo
WHERE salesRep = "Zoe Smith"
```

shopName	street	city	county
Dubray	Shop Street	Galway	Galway
Charlie Byrnes	Middle Street	Galway	Galway
Easons	O'Connell Street	Dublin	Dublin

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

```
SELECT shopName, street, city, county
FROM bookShop INNER JOIN orders ON sNo = shopNo
WHERE salesRep = "Zoe Smith";
```

Question 6

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

SQL command

```
SELECT title, oDate, quantity
FROM book INNER JOIN orderDetails ON bookISBN = isbn INNER JOIN orders ON orderNo = oNo INNER JOIN bookShop ON shopNo = sNo
WHERE shopName = 'Easons' AND city = 'Galway'
```

title	oDate	quantity
The Gathering	2018-09-10	5
The Green Road	2018-09-10	10
Room	2018-09-10	10
The Wonder	2018-09-10	5
Americanah	2018-09-10	5
Love and Summer	2018-09-17	5
Little Fires Everywhere	2018-09-17	5
Nora Webster	2018-09-17	5
House of Names	2018-09-17	5

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

```
SELECT title, oDate, quantity
FROM book INNER JOIN orderDetails ON bookISBN = isbn INNER JOIN orders ON orderNo = oNo INNER JOIN bookShop ON shopNo = sNo
WHERE shopName = 'Easons' AND city = 'Galway';
```