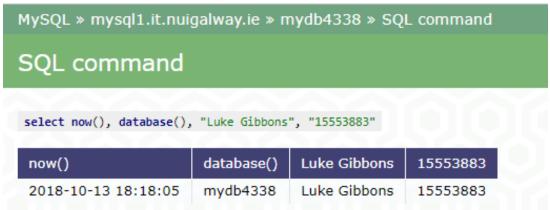
CT230 Database Systems – Assignment 3 By Luke Gibbons – 13/10/2018

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:



Question 1:



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
 WHERE genre = "Fiction"
 MaxPrice
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';