CT230 Database Systems – Assignment 5
By Luke Gibbons – 03/11/2018
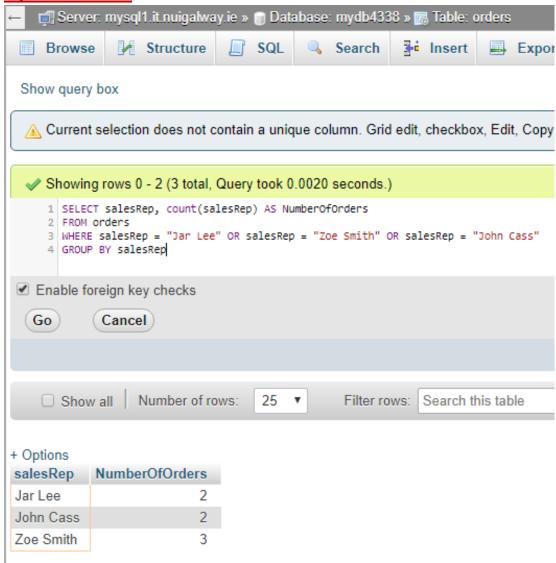
Plagiarism Declaration:

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

+ Options

now()	database()	Luke Gibbons	15553883
2018-11-03 17:36:11	mydb4338	Luke Gibbons	15553883

Question 1:

Server: mysql1.it.nuigalway.ie » Database: mydb4338 » Table: orders

Browse	Structure	SQL	Search	Insert	Expor

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy

✔ Showing rows 0 - 2 (3 total, Query took 0.0020 seconds.)

```
1  SELECT salesRep, count(salesRep) AS NumberOfOrders
2  FROM orders
3  WHERE salesRep = "Jar Lee" OR salesRep = "Zoe Smith" OR salesRep = "John Cass"
4  GROUP BY salesRep
```

☑ Enable foreign key checks

Go   Cancel

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

+ Options

salesRep	NumberOfOrders
Jar Lee	2
John Cass	2
Zoe Smith	3

Question 2:

Browse | **Structure** | **SQL** | **Search** | **Insert** | E

✓ Showing rows 0 - 6 (7 total, Query took 0.0018 seconds.) [surname: **ADICHIE..**

```
1  SELECT fname, surname, count(surname) as NumOfBooks
2  FROM author INNER JOIN book ON aID = authorID
3  GROUP BY aID
4  HAVING count(surname) > 1
5  ORDER BY surname
```

☑ Enable foreign key checks

[Go]   [Cancel]

☐ Show all | Number of rows: [25 ▼]   Filter rows: [Search this table]

+ Options

fname	surname ▲ 1	NumOfBooks
Chimamanda Ngozi	Adichie	2
Rachel	Cusk	3
Emma	Donoghue	3
Anne	Enright	3
Celeste	Ng	2
Donal	Ryan	2
Colm	Toibin	5

Question 3:

Browse   Structure   SQL   Search   Insert   Expor

✔ Showing rows 0 - 0 (1 total, Query took 0.0014 seconds.)

```
1  SELECT count(bookISBN) as RoomOrdered
2  FROM orderDetails
3  WHERE bookISBN = (SELECT isbn
4                    FROM book
5                    WHERE title= "Room")
```

☑ Enable foreign key checks

Go   Cancel

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

+ Options

RoomOrdered
2

Question 4:

| Browse | Structure | SQL | Search | Insert | Exp |

✔ Showing rows 0 - 2 (3 total, Query took 0.0014 seconds.)

```
1  SELECT shopName, street, city, county
2  FROM bookShop INNER JOIN orders ON shopNo = sNo
3  GROUP BY sNo
4  HAVING COUNT(sNo) = 1
```

☑ Enable foreign key checks

Go   Cancel

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

+ Options

shopName	street	city	county
Dubray	Shop Street	Galway	Galway
Easons	O'Connell Street	Dublin	Dublin
Village Bookshop	Moycullen	Galway	Galway

Question 5

Browse | Structure | SQL | Search | Insert

Showing rows 0 - 5 (6 total, Query took 0.0016 seconds.)

```
1 SELECT title, fName, surname
2 FROM author INNER JOIN book ON aID = authorID
3 WHERE isbn NOT IN (SELECT bookISBN
4                    FROM orderDetails)
```

☑ Enable foreign key checks

Go | Cancel

☐ Show all | Number of rows: 25 ▼ | Filter rows: Search t

+ Options

title	fName	surname
Forgotten Waltz	Anne	Enright
The Sealed Letter	Emma	Donoghue
Purple Hibiscus	Chimamanda Ngozi	Adichie
The Narrow Road to the Deep North	Richard	Flanagan
The Empty Family	Colm	Toibin
The Testament of Mary	Colm	Toibin

Question 6

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | T

Showing rows 0 - 0 (1 total, Query took 0.0062 seconds.)

```
1 SELECT SUM(quantity * CAST(rrPrice AS DECIMAL(5,2))) AS totalCost
2 FROM bookShop INNER JOIN orders ON shopNo = sNo INNER JOIN orderDetails ON orderNo = oNo INNER JOIN book ON bookISBN = isbn
3 WHERE shopName = "Village Bookshop" AND oDate= '2018-09-27'
```

☑ Enable foreign key checks

Go | Cancel

☐ Profiling [Edit inline] [

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

+ Options

totalCost
847.78