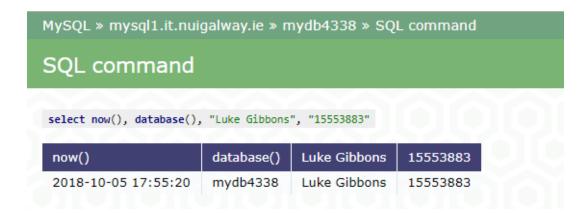
CT230 Database Systems – Assignment 2 By Luke Gibbons – 05/10/2018

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:



Create table command screenshots:

Author & book:

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

```
CREATE TABLE author(
aID int,
fName varchar(255),
surname varchar(255),
CONSTRAINT author_pk PRIMARY KEY (aID)
CREATE TABLE book(
isbn int,
title varchar(255),
authorID int,
genre varchar(255),
pubYear int,
publisher varchar(255),
rrPrice float,
avgRating int,
CONSTRAINT book_pk PRIMARY KEY (isbn),
CONSTRAINT book_f1 FOREIGN KEY (authorID) REFERENCES author(aID)
);
```

Bookshop:

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

SQL command

```
CREATE TABLE bookShop(
shopNo int,
shopName varchar(255),
street varchar(255),
city varchar(255),
county varchar(255),
CONSTRAINT bookShop_pk PRIMARY KEY (shopNo)
);
```

Orders & orderDetails:

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

```
county varchar(255),
CONSTRAINT bookShop_pk PRIMARY KEY (shopNo)
CREATE TABLE orders(
orderNo int,
sNo int,
oDate date,
salesRep varchar(255),
CONSTRAINT orders_pk PRIMARY KEY (orderNo),
CONSTRAINT orders_f1 FOREIGN KEY (sNo) REFERENCES bookShop(shopNo)
);
CREATE TABLE orderDetails(
oNo int,
bookISBN int,
quantity int,
CONSTRAINT orderDetails_pk PRIMARY KEY (oNo, bookISBN),
CONSTRAINT orderDetails_f1 FOREIGN KEY (oNo) REFERENCES orders(orderNo),
CONSTRAINT orderDetails_f2 FOREIGN KEY (bookISBN) REFERENCES book(isbn)
);
```

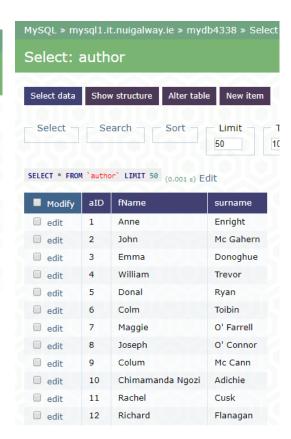
Insert commands & data in tables

Author:

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

SQL command

INSERT INTO author (aID, fName, surname)
VALUES (1, 'Anne', 'Enright'),
(2, 'John', 'Mc Gahern'),
(3, 'Emma', 'Donoghue'),
(4, 'William', 'Trevor'),
(5, 'Donal', 'Ryan'),
(6, 'Colm', 'Toibin'),
(7, 'Maggie', 'O'' Farrell'),
(8, 'Joseph', 'O'' Connor'),
(9, 'Colum', 'Mc Cann'),
(10, 'Chimamanda Ngozi', 'Adichie'),
(11, 'Rachel', 'Cusk'),
(12, 'Richard', 'Flanagan'),
(13, 'Celeste', 'Ng')
```



Books:

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

```
INSERT INTO book(isbn, title, authorID, genre, pubYear, publisher, rrPrice, avgRating)
VALUES (111,
                 'Outline',
                                                                                                                      15.3.
                                                           'Novel',
                                                                            2015, 'Farrar, Straus and Giroux'
                                                                                                                              3.5),
                                                  11,
        'Transit',
                                                                   2017,
(112,
                                          11,
                                                   'Novel',
                                                                            'Farrar, Straus and Giroux',
                                                                                                             11.5.
                                                                                                                      4),
                                         11,
(131,
        'Kudos',
                                                  'Novel',
                                                                   2018,
                                                                            'Farrar, Straus and Giroux',
                                                                                                             13.99.
                                                                                                                      4.5).
(123,
        'Forgotten Waltz',
                                                  'Fiction',
                                                                   2011,
                                                                            'Jonathan Cape',
                                                                                                                      3),
        'The Gathering',
                                                                            'Jonathan Cape',
(124,
                                                  'Novel',
                                                                   2007,
                                                                                                             14,
                                                                                                                      3),
                                                  'Novel',
(125,
        'The Green Road',
                                                                   2015,
                                                                            'W.W. Norton and Company',
                                                                                                             15,
                                                                                                                      3.5).
                                                                            'Brown',
        'Room',
                                                  'Fiction',
                                                                                                                      4.5),
(323.
                                                                   2010.
                                                                                                             12,
                                                                   2008,
                                                                            'Harper Collins',
        'The Sealed Letter',
(324,
                                                  'Fiction',
                                                                                                             10,
                                                                                                                      4),
                                                  'Fiction',
(325,
        'The Wonder'
                                                                   2016,
                                                                            'Little Brown',
                                                                                                              20,
(441,
        'Purple Hibiscus',
                                          10,
                                                  'Novel',
                                                                   2012,
                                                                            'Algonquin Books',
                                                  'Novel',
(442,
        'Americanah',
                                                                            'Anchor',
                                                                   2013,
                                                                            'Viking',
(423,
        'Love and Summer',
                                                  'Novel',
                                                                   2009,
                                                                                                                      2.5),
(501,
        'The Spinning Heart',
                                                  'Fiction',
                                                                   2012.
                                                                            'Lilliput Press'
                                                                                                             15.3,
(502,
        'A Slanting of the Sun',
                                                  'Fiction',
                                                                   2015.
                                                                            'Transworld Publishers',
                                                                                                             12.99.
                                                                                                                      4.5).
        'The Narrow Road to the Deep North',12,
                                                  'Novel',
                                                                            'Vintage',
(503,
                                                                   2014,
                                                                                                             11.99,
                                                                                                                      4.5),
                                                   'Novel',
(504,
        'Everything I Never Told You', 13,
                                                                   2014,
                                                                            'Penguin',
                                                                                                             13.5,
                                                                   2017,
                                                                            'Penguin',
(505,
        'Little Fires Everywhere',
                                          13,
                                                  'Novel',
                                                                                                             18.5,
                                                                                                                      4.5)
(623,
        'The Empty Family',
                                                  'Short Stories',2010,
                                                                            'Scribner',
                                                                                                             8.5,
        'Brooklyn',
                                                                            'Viking',
(624,
                                                  'Novel',
                                                                   2010,
                                                                                                             10,
        'The Testament of Mary',
                                                                   2012,
                                                                            'Viking',
                                                                                                             11.5, 3.5),
(628.
                                                  'Novella'.
                                                   'Novel',
                                                                            'Scribner',
(629,
        'Nora Webster',
                                                                   2014,
                                                                                                             12, 3.5),
                                                                            'Scribner',
(630,
        'House of Names',
                                                  'Novel',
                                                                   2017,
                                                                                                             14.4,
                                                  'Fiction',
                                                                                                             9.7, 4),
(711,
        'Instructions for a Heatwave',
                                                                   2013,
                                                                            'Vintage',
                                                                                                             15, 4.5);
(923,
        'Thirteen Ways of Looking',
                                                  'Fiction',
                                                                            'Harper Collins',
```

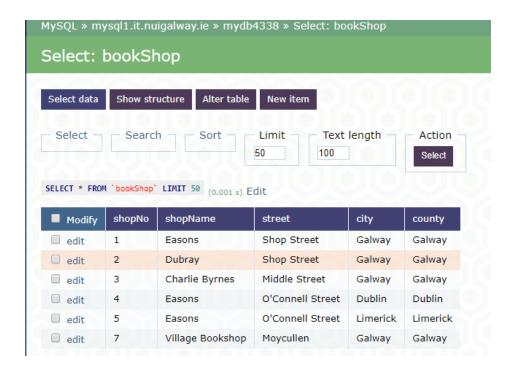


■ Modify	isbn	title	authorID	genre	pubYear	publisher	rrPrice	avgRating
edit	111	Outline	11	Novel	2015	Farrar, Straus and Giroux	15.3	4
edit	112	Transit	11	Novel	2017	Farrar, Straus and Giroux	11.5	4
edit	123	Forgotten Waltz	1	Fiction	2011	Jonathan Cape	12	3
edit	124	The Gathering	1	Novel	2007	Jonathan Cape	14	3
edit	125	The Green Road	1	Novel	2015	W.W. Norton and Company	15	4
edit	131	Kudos	11	Novel	2018	Farrar, Straus and Giroux	13.99	5
edit	323	Room	3	Fiction	2010	Brown	12	5
edit	324	The Sealed Letter	3	Fiction	2008	Harper Collins	10	4
edit	325	The Wonder	3	Fiction	2016	Little Brown	20	4
edit	423	Love and Summer	4	Novel	2009	Viking	6.5	3
edit	441	Purple Hibiscus	10	Novel	2012	Algonquin Books	10	5
edit	442	Americanah	10	Novel	2013	Anchor	25	5

Bookshop:

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

```
INSERT INTO bookShop (shopNo, shopName, street, city, county)
VALUES (1,'Easons','Shop Street','Galway','Galway'),
(2,'Dubray','Shop Street','Galway','Galway'),
(3,'Charlie Byrnes','Middle Street','Galway','Galway'),
(4,'Easons','O''Connell Street','Dublin','Dublin'),
(5,'Easons','O''Connell Street','Limerick','Limerick'),
(7,'Village Bookshop','Moycullen','Galway','Galway')
```



Orders:

edit

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

SQL command



2018-09-26 Zoe Smith

Order Details:

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

SQL command

```
INSERT INTO orderDetails (oNo, bookISBN, quantity)
VALUES (1,124,5), (1,125,10), (1,323,10),
(1,325,5), (1,442,5), (2,423,5),
(2,629,5), (2,630,5), (2,505,5),
(3,323,5), (3,504,5), (3,505,3),
(3,711,3), (4,111,10), (4,112,10),
(5,442,5), (5,501,5), (5,504,5),
(5,624,4), (6,125,6), (6,131,10),
(6,325,12), (6,502,12), (6,505,12),
(7,923,10)
```

MySQL » mysql1.it.nuigalway.ie » mydb4338 :

Select: orderDetails

Select data	Show structure	Alter table	New
Select -	Search -		Limit 50

SELECT * FROM `orderDetails` LIMIT 50 (0.001 s) Edit

■ Modify	oNo	bookISBN	quantity
edit	1	124	5
☐ edit	1	125	10
☐ edit	1	323	10
☐ edit	1	325	5
☐ edit	1	442	5
☐ edit	2	423	5
☐ edit	2	505	5
☐ edit	2	629	5
☐ edit	2	630	5
edit	3	323	5
edit	3	504	5
edit	3	505	3

Database Schema:

MySQL » mysql1.it.nuigalway.ie » mydb4338 » Database schema

Database schema: mydb4338

