#### A) SQL SCRIPT WITH DDL INSERTS AND QUERIES TO THE BOOKSHOP DATABASE

use bookstore:

INSERT INTO publisher\_id, publisher\_name, publisher\_address, publisher\_phone, publisher\_url)

VALUES(01, 'Penguin Random House', 'Luchana 23 Madrid

Spain',535819,'http://www.penguinrandomhouse.com/');

INSERT INTO publisher (publisher\_id, publisher\_name, publisher\_address, publisher\_phone, publisher url)

VALUES(02, 'Hachette Livre', '50 Victoria Embankment', 227000, 'https://www.hachette.com');

INSERT INTO publisher\_id, publisher\_name, publisher\_address, publisher\_phone, publisher\_url)

VALUES(03, 'HarperCollins', 'The News Building London Bridge

Street',2427737,'https://www.harpercollins.com/');

INSERT INTO author VALUES (01, 'Cat Sebastian', '9296 Henry St. Auburndale FL 33823');

INSERT INTO author VALUES (02,'Lorraine Heath','974 Broad Dr. Marcus Hook PA 19061');

INSERT INTO author VALUES (03, 'Jill Shalvis', '187 Cherry Rd. Reston VA 20191');

INSERT INTO author VALUES (04,'Kevin Kwan','13 Locust St. Round Lake IL 60073');

INSERT INTO author VALUES (05, 'Elisabeth Noreback', '26 Rock Creek Dr. Tuscaloosa AL 35405');

INSERT INTO author VALUES (06, 'Pamela Brown', '409 Santa Clara Ave. Cedar Rapids IA 52402');

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9706279318','A Gentleman Never Keeps Score',2018,384.00,03,01);

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9728304828','Texas Glory',2015,94.50,03,02);

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9702833373','Rainy day friends',2017,45.00,03,03);

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9703859383','Crazy Rich Asians',2018,234.50,01,04);

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9793937483','Tell me you are mine',2015,23.60,01,05);

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9729473047','The spy and the traitor', 2010,200.00,01, 05);

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9703746264','Paradise Sky by Joe Lansdale',2016,145.00,02,06);

INSERT INTO book (ISBN, book\_title, book\_year, book\_price, publisher\_id, author\_id) VALUES ('9739482733','Meet Camaro from The Night Charter',2010,165.99,02,06);

INSERT INTO customer VALUES ('emkw@mail.com','Karol Wilson', 115099561, '75 Poplar Court Eugene OR 97402');

INSERT INTO customer VALUES ('rior@mail.com','Richard Orson', 45528305, '33 Richardson Dr. Chandler AZ 85224');

INSERT INTO customer VALUES ('lowi@mail.com','Loraine Williams', 2211600,'8 Market St. Portsmouth VA 23703');

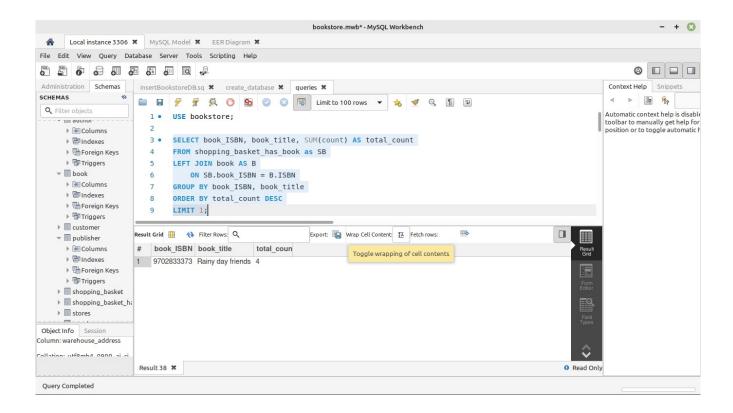
INSERT INTO customer VALUES ('sclu@mail.com', 'Scott Luka', 649373, '412 Pawnee Lane Kenosha, WI 53140');

```
INSERT INTO warehouse VALUES (01, 5393544, 530 Roosevelt Lane Hopewell Junction NY
12533');
INSERT INTO warehouse VALUES (02, 9759583, 9592 Applegate Road Bedford OH 44146);
INSERT INTO warehouse VALUES (03, 9958484, 21 Arch Ave. Grand Haven MI 49417');
INSERT INTO shopping basket VALUES (01,'emkw@mail.com');
INSERT INTO shopping_basket VALUES (02,'rior@mail.com');
INSERT INTO shopping_basket VALUES (03,'lowi@mail.com');
INSERT INTO shopping basket VALUES (04,'sclu@mail.com');
INSERT INTO shopping basket has book VALUES('9706279318',01,1);
INSERT INTO shopping_basket_has_book VALUES('9703746264',01,1);
INSERT INTO shopping_basket_has_book VALUES('9729473047',01,1);
INSERT INTO shopping_basket_has_book VALUES('9739482733',02,1);
INSERT INTO shopping basket has book VALUES('9728304828',02,1);
INSERT INTO shopping_basket_has_book VALUES('9702833373',02,2);
INSERT INTO shopping_basket_has_book VALUES('9703859383',02,1);
INSERT INTO shopping_basket_has_book VALUES('9793937483',03,1);
INSERT INTO shopping basket has book VALUES('9703859383',03,1);
INSERT INTO shopping_basket_has_book VALUES('9702833373',03,1);
INSERT INTO shopping basket has book VALUES('9739482733',04,1);
INSERT INTO shopping_basket_has_book VALUES('9702833373',04,1);
INSERT INTO shopping_basket_has_book VALUES('9729473047',04,1);
INSERT INTO shopping basket has book VALUES('9793937483',04,1);
INSERT INTO stores (warehouse_id,book_ISBN,count)
VALUES(01,'9728304828',15);
INSERT INTO stores (warehouse_id,book_ISBN,count)
VALUES(01,'9739482733',29);
INSERT INTO stores (warehouse_id,book_ISBN,count)
VALUES(01,'9729473047',151);
INSERT INTO stores (warehouse_id,book_ISBN,count)
VALUES(02,'9703859383',20);
```

#### B) DOCUMENT WITH PRINT SCREENS OF THE EXECUTION AND QUERY RESULTS.

### 1) Which book is being sell more right now?

SELECT book\_ISBN, book\_title, SUM(count) AS total\_count
FROM shopping\_basket\_has\_book as SB
LEFT JOIN book AS B
ON SB.book\_ISBN = B.ISBN
GROUP BY book\_ISBN, book\_title
ORDER BY total\_count DESC
LIMIT 1;



## 2) Which customer is buying more books?

SELECT C.customer\_email, C.customer\_name, SUM(SBHB.count) AS total\_books FROM shopping\_basket\_has\_book AS SBHB LEFT JOIN shopping\_basket AS SB

ON SBHB.basket\_id = SB.basket\_id

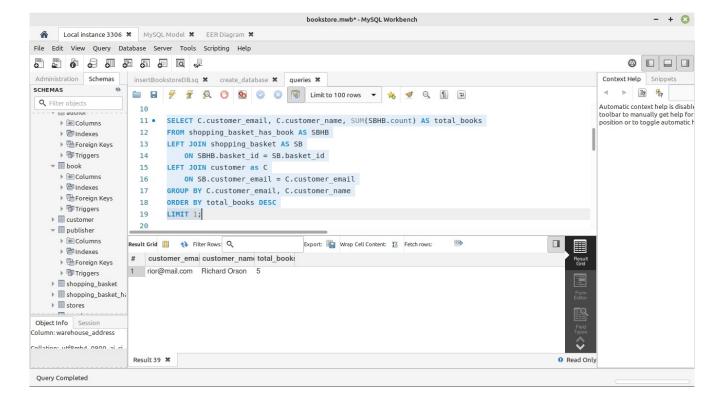
LEFT JOIN customer as C

ON SB.customer\_email = C.customer\_email

GROUP BY C.customer\_email, C.customer\_name

ORDER BY total\_books DESC

LIMIT 1;



# 3) Which warehouse has Texas Glory in stock?

SELECT W.warehouse\_id, W.warehouse\_address, B.book\_title FROM stores AS S

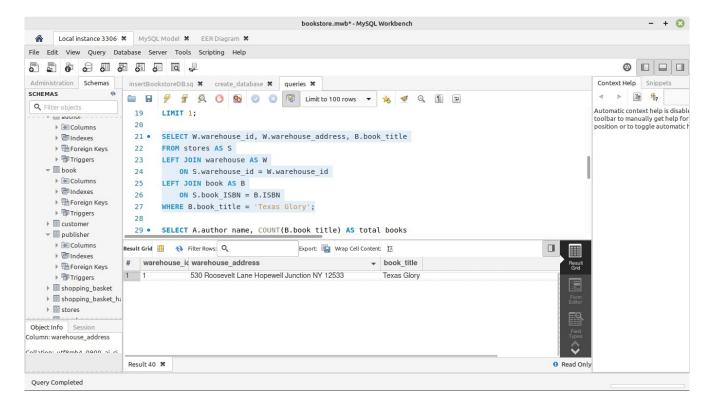
LEFT JOIN warehouse AS W

ON S.warehouse id = W.warehouse id

LEFT JOIN book AS B

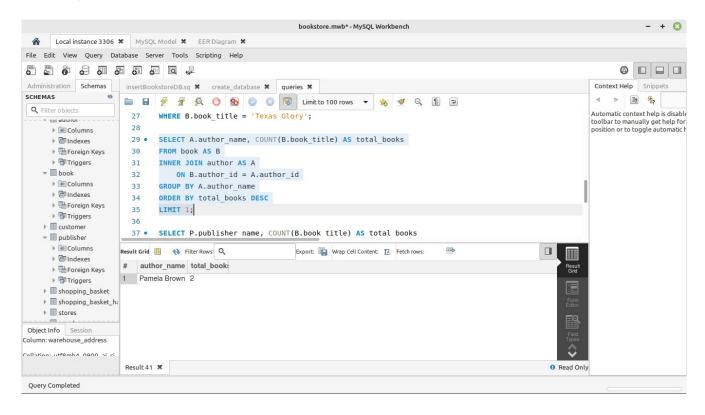
ON S.book ISBN = B.ISBN

WHERE B.book\_title = 'Texas Glory';



### 4) Which author has more books on sell?

SELECT A.author\_name, COUNT(B.book\_title) AS total\_books FROM book AS B
INNER JOIN author AS A
ON B.author\_id = A.author\_id
GROUP BY A.author\_name
ORDER BY total\_books DESC
LIMIT 1;



# 5) Which publisher offers less books?

SELECT P.publisher\_name, COUNT(B.book\_title) AS total\_books FROM book AS B
INNER JOIN publisher AS P
ON B.publisher\_id = P.publisher\_id
GROUP BY P.publisher\_name
ORDER BY total\_books ASC
LIMIT 1;

