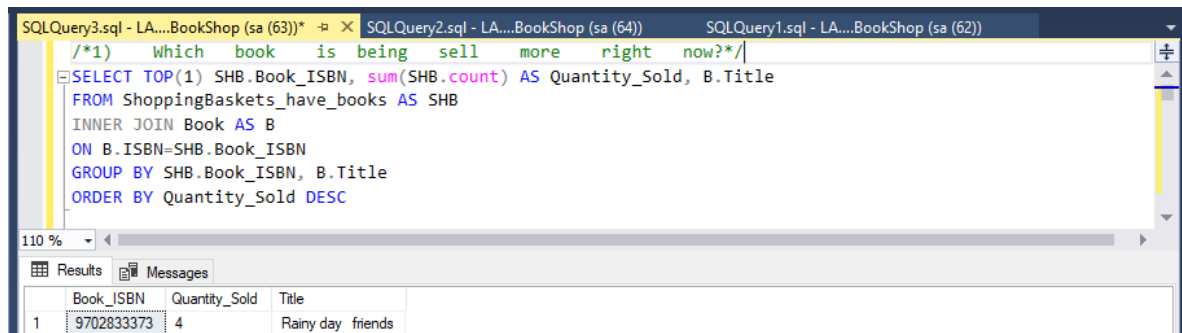


DML EXERCISE - BOOKSTORE

/*1) Which book is being sell more right now?*/

```
SELECT TOP(1) SHB.Book_ISBN, sum(SHB.count) AS Quantity_Sold, B.Title
FROM ShoppingBaskets_have_books AS SHB
INNER JOIN Book AS B
ON B.ISBN=SHB.Book_ISBN
GROUP BY SHB.Book_ISBN, B.Title
ORDER BY Quantity_Sold DESC
```

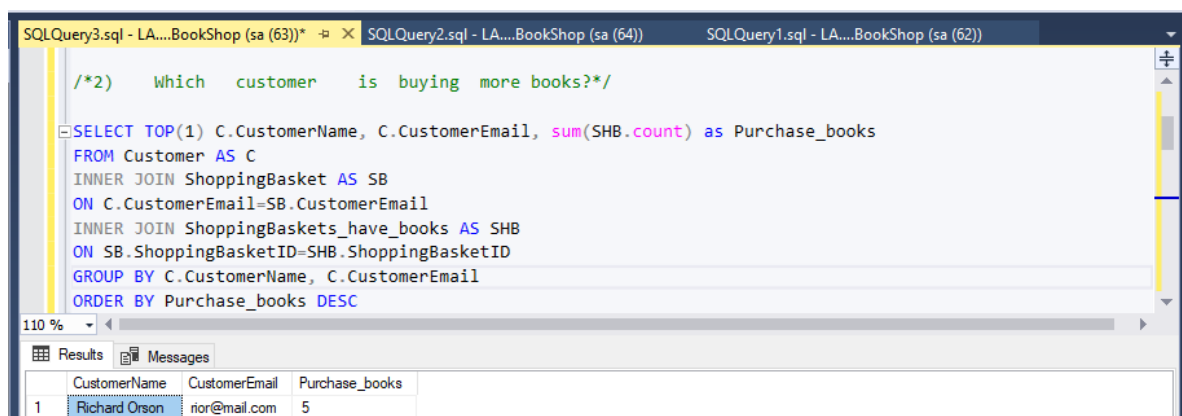


The screenshot shows the SQL Server Enterprise Manager interface. The query window displays the SQL code for the first exercise. The Results pane shows a single row of data.

Book_ISBN	Quantity_Sold	Title
9702833373	4	Rainy day friends

/*2) Which customer is buying more books?*/

```
SELECT TOP(1) C.CustomerName, C.CustomerEmail, sum(SHB.count) as Purchase_books
FROM Customer AS C
INNER JOIN ShoppingBasket AS SB
ON C.CustomerEmail=SB.CustomerEmail
INNER JOIN ShoppingBaskets_have_books AS SHB
ON SB.ShoppingBasketID=SHB.ShoppingBasketID
GROUP BY C.CustomerName, C.CustomerEmail
ORDER BY Purchase_books DESC
```



The screenshot shows the SQL Server Enterprise Manager interface. The query window displays the SQL code for the second exercise. The Results pane shows a single row of data.

CustomerName	CustomerEmail	Purchase_books
Richard Orson	nor@email.com	5

/*3) Which warehouse has Texas Glory in stock?*/

```
SELECT B.Title, WHB.Warehouse_code, W.WarehouseAddress, WHB.count
FROM Book AS B
INNER JOIN Warehouses_have_books AS WHB
ON B.ISBN=WHB.Book_ISBN
INNER JOIN Warehouse AS W
ON W.code=WHB.Warehouse_code
WHERE B.Title= 'Texas Glory'
```

SQLQuery3.sql - LA....BookShop (sa (63)) * SQLQuery2.sql - LA....BookShop (sa (64)) SQLQuery1.sql - LA....BookShop (sa (62))

```

ORDER BY Purchase_books DESC

/*3) Which warehouse has Texas Glory in stock?*/
SELECT B.Title, WHB.Warehouse_code, W.WarehouseAddress, WHB.count
FROM Book AS B
INNER JOIN Warehouses_have_books AS WHB
ON B.ISBN=WHB.Book_ISBN
INNER JOIN Warehouse AS W
ON W.code=WHB.Warehouse_code
WHERE B.Title='Texas Glory'

```

110 %

Results Messages

	Title	Warehouse_code	WarehouseAddress	count
1	Texas Glory	1	530 Roosevelt Lane Hopewell Junction NY 12533	15

```

/*4) Which author has more books on sell?*/
SELECT A.Authorname, count(B.Title) as N_Books
FROM Author AS A
INNER JOIN Book AS B
ON A.AuthorID=B.AuthorID
GROUP BY A.Authorname
ORDER BY N_Books DESC

```

SQLQuery3.sql - LA....BookShop (sa (63)) * SQLQuery2.sql - LA....BookShop (sa (64)) SQLQuery1.sql - LA....BookShop (sa (62))

```

/*4) Which author has more books on sell?*/
SELECT top(2)A.Authorname, count(B.Title) as N_Books
FROM Author AS A
INNER JOIN Book AS B
ON A.AuthorID=B.AuthorID
GROUP BY A.Authorname
ORDER BY N_Books DESC

/*5) Which publisher offers less books?*/

```

110 %

Results Messages

	Authorname	N_Books
1	Elisabeth Noreback	2
2	Pamela Brown	2

```

/*5) Which publisher offers less books?*/
SELECT P.Publishername, COUNT(B.TITLE) AS Books_offered
FROM Book AS B
INNER JOIN Publisher AS P
ON B.PublisherID=P.PublisherID
GROUP BY Publishername
ORDER BY Books_offered ASC

```

SQLQuery3.sql - LA....BookShop (sa (63)) * SQLQuery2.sql - LA....BookShop (sa (64)) SQLQuery1.sql - LA....BookShop (sa (62))

```

/*5) Which publisher offers less books?*/
SELECT TOP(1)P.Publishername, COUNT(B.TITLE) AS Books_offered
FROM Book AS B
INNER JOIN Publisher AS P
ON B.PublisherID=P.PublisherID
GROUP BY Publishername
ORDER BY Books_offered ASC

```

110 %

Results Messages

	Publishername	Books_offered
1	Hachette Livre	2

DDL INSERTS USED

```

use bookshop;
insert into Publisher (Publisherid, PublisherName, PublisherAddress,
PublisherPhone, URL)
values(01, 'Penguin Random House', 'Luchana 23 Madrid
Spain', 535819, 'http://www.penguinrandomhouse.com/');
insert into Publisher (Publisherid, PublisherName, PublisherAddress,
PublisherPhone, URL)
values(02, 'Hachette Livre', '50 Victoria Embankment', 227000,
'https://www.hachette.com');
insert into Publisher (Publisherid, PublisherName, PublisherAddress,
PublisherPhone, 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, title, year, price, publisherid, authorid) values
('9706279318', 'A Gentleman
Never Keeps Score', 2018, 384.00, 03, 01);
insert into Book (isbn, title, year, price, publisherid, authorid) values
('9728304828', 'Texas Glory', 2015, 94.50, 03, 02);
insert into Book (isbn, title, year, price, publisherid, authorid) values
('9702833373', 'Rainy day
friends', 2017, 45.00, 03, 03);
insert into Book (isbn, title, year, price, publisherid, authorid) values
('9703859383', 'Crazy Rich
Asians', 2018, 234.50, 01, 04);
insert into Book (isbn, title, year, price, publisherid, authorid) values
('9793937483', 'Tell me you are
mine', 2015, 23.60, 01, 05);
insert into Book (isbn, title, year, price, publisherid, authorid) values
('9729473047', 'The spy and
the traitor', 2010, 200.00, 01, 05);
insert into Book (isbn, title, year, price, publisherid, authorid) values
('9703746264', 'Paradise Sky by
Joe Lansdale', 2016, 145.00, 02, 06);
insert into Book (isbn, title, year, price, publisherid, authorid) 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 shoppingbasket values (01,'emkw@mail.com');
insert into shoppingbasket values (02,'rrior@mail.com');
insert into shoppingbasket values (03,'lowi@mail.com');
insert into shoppingbasket values (04,'sclu@mail.com');
insert into shoppingbaskets_have_books values('9706279318',01,1);
insert into shoppingbaskets_have_books values('9703746264',01,1);
insert into shoppingbaskets_have_books values('9729473047',01,1);
insert into shoppingbaskets_have_books values('9739482733',02,1);
insert into shoppingbaskets_have_books values('9728304828',02,1);
insert into shoppingbaskets_have_books values('9702833373',02,2);
insert into shoppingbaskets_have_books values('9703859383',02,1);
insert into shoppingbaskets_have_books values('9793937483',03,1);
insert into shoppingbaskets_have_books values('9703859383',03,1);
insert into shoppingbaskets_have_books values('9702833373',03,1);
insert into shoppingbaskets_have_books values('9739482733',04,1);
insert into shoppingbaskets_have_books values('9702833373',04,1);
insert into shoppingbaskets_have_books values('9729473047',04,1);
insert into shoppingbaskets_have_books values('9793937483',04,1);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(01,'9728304828',15);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(01,'9739482733',29);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(01,'9729473047',151);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(02,'9703859383',20);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(02,'9793937483',383);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(02,'9706279318',293);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(03,'9702833373',393);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(03,'9729473047',38);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(03,'9706279318',48);
insert into warehouses_have_books (warehouse_code,Book_ISBN,count)
values(03,'9739482733',29);

```