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

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,'rior@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);

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

select book\_isbn, title,sum(count) as maxbooks from book B, shoppingbaskets\_have\_books SB

where SB.book\_isbn=B.isbn

group by book\_isbn, title

order by maxbooks desc

LIMIT 1

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

select maxnumber, Customer

from (select sum(count) as maxnumber, customerName as Customer

from customer C, shoppingbasket SB,shoppingbaskets\_have\_books SBB

where C.customerEmail=SB.customerEmail

and SB.shoppingBasketid=SBB.shoppingBasketid

group by customerName

order by maxnumber desc) mysums

LIMIT 1

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

select code, warehouseAddress

from warehouse W, warehouses\_have\_books WB, book B

where W.code=WB.warehouse\_code

and WB.book\_isbn = B.isbn

and title = 'Texas Glory'

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

select AuthorName,count(title) as numberbooks

from author A, book B

where A.authorid=B.authorid

group by AuthorName

order by numberbooks desc

LIMIT 1

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

select PublisherName, count(title) as numberofbooks

from Publisher P, Book B

where P.publisherid=B.publisherid

group by publisherName

order by numberofbooks desc

LIMIT 1

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









