/\* Provide a list of customer names, along with the total dollar amount each customer has spent. \*/

SELECT C.customer\_firstname, C.customer\_lastname, SUM(B.price)

FROM Customer as C, Books as B, Orders as O

WHERE C.customer\_id = o.order\_customer\_id

AND B.ISBN = O.order\_ISBN

GROUP BY c.customer\_lastname;

/\* Provide a list of customer names and e-mail addresses for customers who have spent more than theaverage customer. \*/

SELECT c.customer\_firstname, c.customer\_lastname, c.customer\_email

FROM Customer as C, Books as B, Orders as O

WHERE C.customer\_id = o.order\_customer\_id

AND B.ISBN = O.order\_ISBN

GROUP BY o.order\_id

HAVING SUM(B.price) >(

SELECT AVG(b.price)

FROM Books as B, Customer as C, Orders as O

WHERE B.ISBN = o.order\_ISBN

AND o.order\_customer\_id = c.customer\_id

GROUP BY C.customer\_id);

/\* Provide a list of the titles in the database and associated total copies sold to customers, sorted from the title that has sold the most individual copies to the title that has sold the least. \*/

SELECT B.title, SUM(OB.order\_quantity)

FROM Books as B, Orders as O, OrderBook as OB

WHERE B.ISBN = O.order\_ISBN

AND O.order\_id = OB.order\_id

GROUP BY B.title

ORDER BY SUM(OB.order\_quantity) DESC;

/\* Provide a list of the titles in the database and associated dollar totals for copies sold to customers,sorted from the title that has sold the highest dollar amount to the title that has sold the smallest. \*/

SELECT B.title, SUM(OB.order\_quantity)\*b.price AS totalprice

FROM Books as B, Orders as O, OrderBook as OB

WHERE B.ISBN = O.order\_ISBN

AND OB.order\_id = o.order\_id

GROUP BY B.title

ORDER BY totalprice DESC;

/\* Find the most popular author in the database (i.e. the one who has sold the most books). \*/

SELECT lastname, MAX(count\_sold)

FROM (SELECT a.author\_id, a.author\_lastname AS lastname, sum(ob.order\_quantity) AS count\_sold

FROM Orders as O, Books as B, Author as A, ORDERBOOK as OB

WHERE O.order\_ISBN = B.ISBN

AND OB.order\_id = O.order\_id

AND a.author\_id = b. author\_id

GROUP BY a.author\_id);

/\* Find the most profitable author in the database for this store (i.e. the one who has brought in the most money) \*/

SELECT lastname, MAX(price\_sold)

FROM (SELECT a.author\_id, a.author\_lastname AS lastname, sum(ob.order\_quantity)\*b.price AS price\_sold

FROM Orders as O, Books as B, Author as A, OrderBook as OB

WHERE O.order\_ISBN = B.ISBN

AND a.author\_id = b. author\_id

AND ob.order\_id = o.order\_id

GROUP BY a.author\_id);

/\* Provide a list of customer information for customers who purchased anything written by the most profitable author in the database. \*/

SELECT c.customer\_firstname, c.customer\_lastname, c.customer\_email

FROM Customer as C, Orders as O, Books as B, Author as A

WHERE c.customer\_id = o.order\_customer\_id

AND o.order\_ISBN = b.ISBN

AND a.author\_id = b.author\_id

AND a.author\_lastname =

(SELECT lastname

FROM (

SELECT lastname, MAX(price\_sold)

FROM (SELECT a.author\_id, a.author\_lastname AS lastname, sum(ob.order\_quantity)\*b.price AS price\_sold

FROM Orders as O, Books as B, Author as A, OrderBook as OB

WHERE O.order\_ISBN = B.ISBN

AND a.author\_id = b. author\_id

AND ob.order\_id = o.order\_id

GROUP BY a.author\_id)

));

/\* Provide the list of authors who wrote the books purchased by the customers who have spent more than the average customer. \*/

SELECT a.author\_firstname, a.author\_lastname

FROM Author as A, Customer as C, Orders as O, Books as B

WHERE a.author\_id = b.author\_id

AND c.customer\_id = o.order\_customer\_id

AND o.order\_ISBN = b.ISBN

AND b.price > (

SELECT avg(b.price)

FROM Books as B

);