Assignment#13
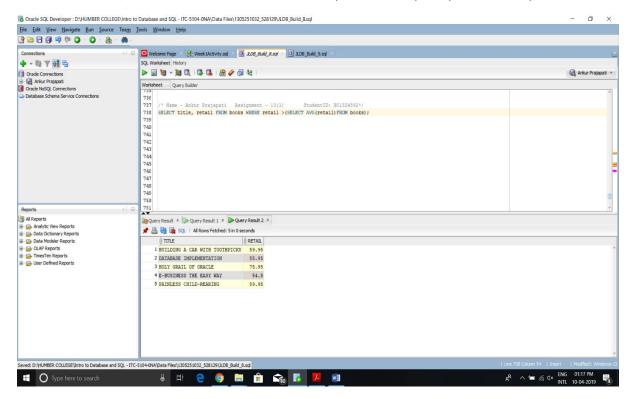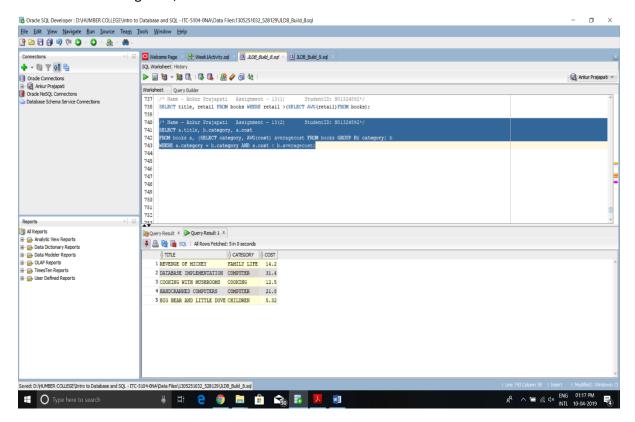
To perform these assignments, refer to the tables in the <mark>JustLee Books database</mark>. Use a subquery to accomplish each task. Make sure you execute the query you plan to use as the subquery to verify the results before writing the entire query.

1. List the book title and retail price for all books with a retail price lower than the average retail price of all books sold by JustLee Books.

2. Determine which books cost less than the average cost of other books in the same category.

3. Determine which orders were shipped to the same state as order 1014.

4. Determine which orders had a higher total amount due than order 1008.

5. Determine which author or authors wrote the books most frequently purchased by customers of JustLee Books.

6. List the title of all books in the same category as books previously purchased by customer 1007. Don't include books this customer has already purchased.

7. List the shipping city and state for the order that had the longest shipping delay.

8. Determine which customers placed orders for the least expensive book (in terms of regular retail price) carried by JustLee Books.

9. Determine the number of different customers who have placed an order for books written or cowritten by James Austin.

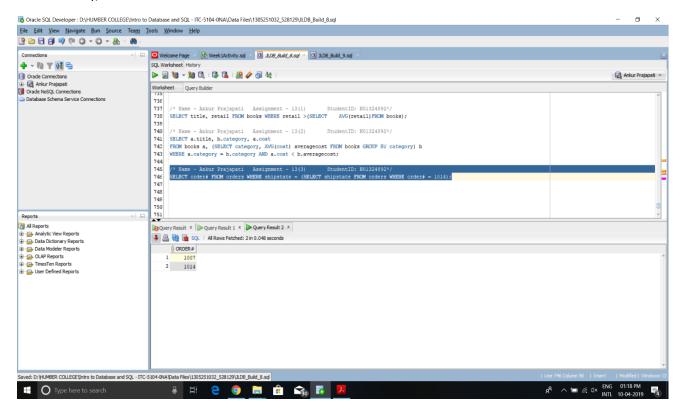10. Determine which books were published by the publisher of The Wok Way to Cook.

Ankur Prajapati(n01324892)

1. SELECT title, retail FROM books WHERE retail > (SELECT AVG (retail)FROM books);
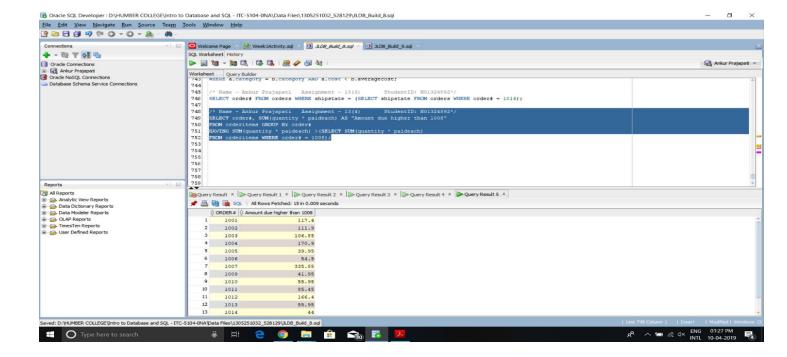

2. SELECT a.title, b.category, a.costFROM books a, (SELECT category, AVG(cost) averagecost FROM books GROUP BY category) b WHERE a.category = b.category AND a.cost < b.averagecost;
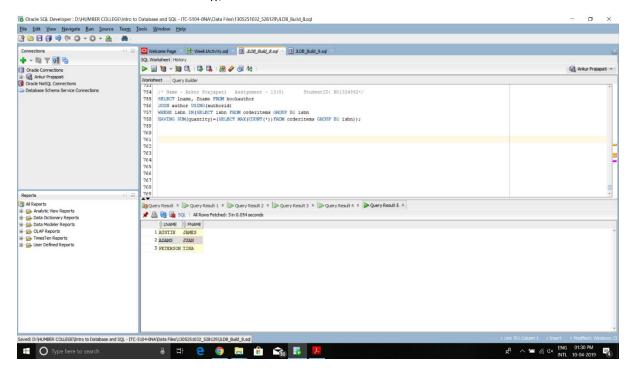
3. SELECT order# FROM orders WHERE shipstate = (SELECT shipstate FROM orders WHERE order# = 1014);
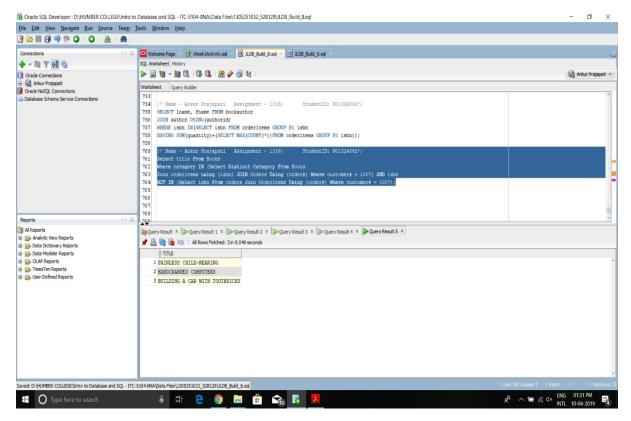

4. SELECT order#, SUM(quantity * paideach) AS "Amount due higher than 1008" FROM orderitems GROUP BY order# HAVING SUM(quantity * paideach) > (SELECT SUM(quantity * paideach) FROM orderitems WHERE order# = 1008);
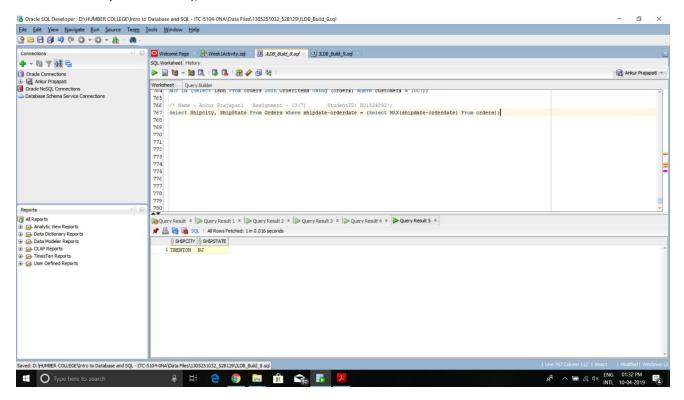
5. SELECT lname, fname FROM bookauthor JOIN author USING(authorid) WHERE isbn IN(SELECT isbn FROM orderitems GROUP BY isbn HAVING SUM(quantity)=(SELECT MAX(COUNT(*))FROM orderitems GROUP BY isbn));
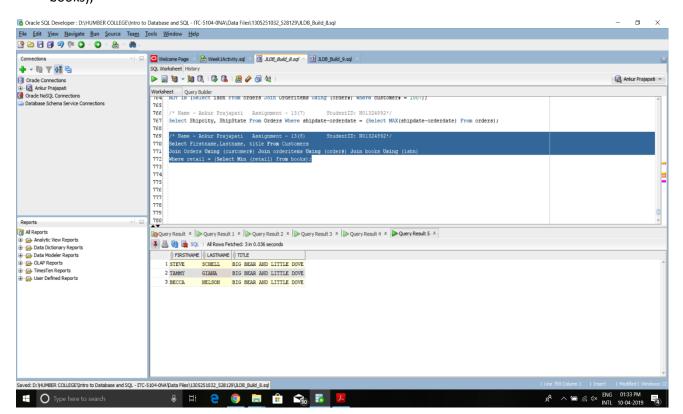

6. Select title From Books Where category IN (Select Distinct Category From Books Join orderitems using (isbn) JOIN Orders Using (order#) Where customer# = 1007) AND isbn NOT IN (Select isbn From orders Join Orderitems Using (order#) Where customer# = 1007);
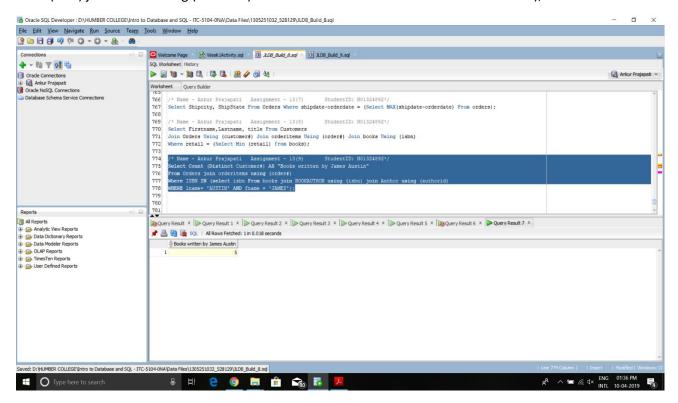
7. Select Shipcity, ShipState From Orders Where shipdate-orderdate = (Select MAX(shipdate-orderdate) From orders);

8. Select Firstname,Lastname, title From Customers Join Orders Using (customer#) Join orderitems Using (order#) Join books Using (isbn) Where retail = (Select Min (retail) from books);

9. Select Count (Distinct Customer#) AS "Books written by James Austin" From Orders join orderitems using (order#) Where ISBN IN (select isbn From books join BOOKAUTHOR using (isbn) join Author using (authorid) WHERE lname= 'AUSTIN' AND fname = 'JAMES');

10. SELECT title FROM books WHERE pubid =(SELECT pubid FROM books WHERE title = 'THE WOK WAY TO COOK');