

## SQL Assignment #5

### INFO 308

1. Determine the average retail price of books by publisher name and category. Include only the categories Children and Computer and the groups with an average retail price greater than \$50. (Using BOOKS and PUBLISHER tables).

Answer:

Code –

```
SELECT p.Name, b.Category, avg(b.Retail) FROM books b join publisher p on b.PubID = p.PubID WHERE b.Category in('Computer','Children') GROUP BY p.Name, b.Category HAVING avg(b.Retail)>50
```

Query –

Name	Category	avg(b.Retail)
AMERICAN PUBLISHING	COMPUTER	52.300000
PUBLISH OUR WAY	CHILDREN	59.950000
PUBLISH OUR WAY	COMPUTER	54.500000

2. What's the retail price of the most expensive book written by Lisa White? (Using BOOKS, AUTHOR, and BOOKAUTHOR tables).

Answer:

Code –

```
SELECT max(b.Retail) 'Most Expensive Book' FROM books b join bookauthor ba on b.ISBN = ba.ISBN join author a on a.AuthorID = ba.AuthorID WHERE a.Fname = 'LISA' AND a.Lname = 'WHITE'
```

Query –

Most Expensive Book
39.95

3. Determine which books generate less than a 55% profit((retail-cost)/cost<.55) and how many copies of these books have been sold. Develop a query used to retrieve data from the database tables. (Using BOOKS, ORDERS(optional), and ORDERITEMS tables).

Answer:

Code –

```
SELECT b.Title, oi.Quantity FROM books b JOIN orderitems oi ON b.ISBN = oi.ISBN WHERE ((b.Retail-b.Cost)/b.Cost<0.55)
```

Query –

Title	Quantity
E-BUSINESS THE EASY WAY	1
E-BUSINESS THE EASY WAY	1
REVENGE OF MICKEY	1
HANDCRANKED COMPUTERS	2
REVENGE OF MICKEY	1
REVENGE OF MICKEY	2
REVENGE OF MICKEY	1