# CECS 323 HOMEWORK: RELATIONAL ALGEBRA 1

**OBJECTIVE:** Give you exposure to the basics of Relational Algebra expressions.

**PROCEDURE:** Using the Classic Models database (for the UML model) and Classic Models relation scheme (for the relation scheme model) write the relational algebra statement for the following queries:

Submit in Word

1. List all rows from Customer

2. List the productName and the ProductLine that the product belongs to for all products.

3. List all ProductNames where the ProductLine is 'MotorCycles'.

4. List the Vendor for the product whose productName is '1968 Ford Mustang'.

5. List the Order Number, Order Status where the Order Status is 'Resolved' or 'Cancelled'

6. List the Order Number and Shipped Date for Orders that the Order Status is 'Shipped' **and** the Shipped Date is **greater than** Required Date.

7. List the ProductName and Quantity in Stock where the BuyPrice is greater than the MSRP.

Use the Relational Algebra Symbols file to give you the symbols that you can cut and paste into a Word document or your favorite text editor to create the necessary relational algebra statements. Then put the resulting document into the dropbox.

**WHAT TO TURN IN:**

- Put your Relational Algebra statements into a Word document and submit that to the BeachBoard dropbox for this homework assignment.