

# CS1023 Lab March 3, 2011

## Record Structures

Complete as many of the requirements below as you have time for.

### **Problem**

Design and implement a record structure for a vehicle.

1. Brainstorm the data you believe should be stored in each vehicle. (4 or 5 elements)
2. Decide what data types you will need for each element
3. Use the direct method discussed in class to create one of your vehicles
4. Use the pointer method discussed in class to create one of your vehicles
5. Print the information stored in each vehicle
6. Create a procedure to initialise a vehicle. Your procedure should take a pointer to a struct as a parameter and then initialise all the elements of the vehicle to values provided by a user.
7. Create a procedure to print a vehicle. Your procedure should take a pointer to a struct as a parameter and then “pretty print” the vehicle information.

### **To be handed in:**

Source code for your final application should be submitted through Blackboard. Be sure to include your name in the program comments.