

Project 10 Extra Credit (30 points), Program Design

Modify the `append_to_list` function for `car.c`. The extra credit part should be kept in a separate file and folder from project 10.

The cars will be inserted into an ordered list (by make, then model, then color, then year) and the list remains ordered after the insertion. An example ordering of a list of cars:

```
ford escape blue 2010
ford escape blue 2012
ford escape blue 2017
ford escape red 2010
ford escape white 2014
ford taurus silver 2005
jeep wrangler black 2007
jeep wrangler black 2017
```

Before you submit:

1. Test your program with script `try_cars3`

```
chmod +x try_cars3
./try_cars3
```

2. Your source files should be read & write protected. Change file permission on Unix using `chmod 600`.
3. Submit all the source files, header files, and makefile for the extra credit problem in a **separate** zipped folder under project 10 submission.