

## Lab on classes CPS 171

This lab is to give you practice using classes. Hand in a listing of the program file and the output file.

Make a new folder on your H: drive called CarLab and copy the following files on the T: drive into that folder.

**t:\shared\class\cps\cps171\labs\carmain.cpp**

**t:\shared\class\cps\cps171\labs\car.cpp**

**t:\shared\class\cps\cps171\labs\car.h**

1. Start Visual C++
2. Choose "File", "New" and then under the "Projects" tab pick "Win32 Console Application". Type in a project name of "CarLab"
3. Make sure Location is pointing to your H: drive. Click "OK", "Finish" and "OK" to make an empty project.
4. Choose "Project" ... "Add to Project" ... "Files"
5. Double click on carmain.cpp
6. Do the same thing to add car.cpp to the project
7. Note that you don't do anything to add the car.h file
8. Note that you can use the File View tab to browse all the files in your project (lefthand pane with tabs at the bottom)
9. Now write the member functions in car.cpp (the implementation file). All of the code for these member functions is **missing**, please supply appropriate actions which perform the functions requested.

Test your program here and get a hard copy of the program and the output.

If you have time, write a three argument constructor that could be used to initialize BobsCar – see main program. Remove the comments in main to test your new function.

Some sample output appears on the next page

Name

\*\*\*\* Default constructor

This car's make is No make

The model is No model

and the mileage is 0.00

Enter make of car (one word):Honda

Enter model of car:Civic

Enter current mileage:8500

\*\*\*\* Ann's car info:

This car's make is Honda

The model is Civic

and the mileage is 8500.00

\*\*\*\* Ann's car - new info:

This car's make is Honda

The model is Civic

and the mileage is 8800.00

Press any key to continue