

Assignment 2
Eliminating Unconditional Jumps by Reversing Branches
COP5622
Fall 2007

For this assignment you should modify the *reversebranches()* function in the *reverse.c* file to eliminate unconditional jumps by reversing branches, as described in class. Not only are you responsible for eliminating unconditional jumps in this manner, but you are also responsible for ensuring that the control flow is in a consistent state. You will likely need to use the *addtoblist()*, *allocstring()*, *checkcf()*, *deleteblk()*, and *delfromblist()* functions. You should e-mail to me your solution of *reversebranches()* by sending me the file *reverse.c* as an attachment. You should also use good indentation and style and you should place meaningful comments in your code. This assignment is due before class on September 24.

Note that the solutions for previously assigned projects will be made available as object files in the *~whalley/cop5622proj/obj* directory. You should change your *Makefile* to refer to these object files after I have added them to this directory so that each of you will have the same baseline.