

## What you need to turn in programming projects

### In the following order:

- Title page listing project, name and date.
- Report: Definition of problem, outline of solution, explanation of your results.
- A printout of your source code (program listing). Avoid "draft mode" for this!
- Print out one or more sample runs (including any output files created.). Submit as many as needed to show that the program works according to the specification.

## The comment header should be immediately after the program include statements:

```
#include <iostream.h>

// Filename:  c10x8.cpp
// Date:      9/16/02
// Author:    Bjarne Stroustrup
// Program:   Chapter 10, Exercise 8
// Description: Compute area of triangle
```

## Every function should have pre and post conditions:

```
int Area(int len, int width)
// Pre:  len and width are both positive integers
// Post: returns area of rectangle = len * width
```

## To send a listing to the printer

Make sure the font is Monaco and the font size is 9 before printing. Under the **Edit** pull down menu select **Preferences...** Under **Editor** select **Font**. Select Monaco and 9 in the window along with setting the Tab Size to 4. Also make sure Auto Indent is ON.

From the **Chooser** select the printer you want the output to go to. While in Metrowerks CodeWarrior and your program is the window selected go to **Print...** under the **File** pull down menu.

## To send a program's run to the printer

Run your program. Before quitting the run window go to the **File** pull down menu and select **Print...**

## Grading

- Does the program solve the problem under the specifications given?
- Is the problem solved in a top/down modular way (or later in the year using object oriented programming methods)?
- Are identifiers descriptive to their meaning and use the C++ naming convention?
- Do the pre and post conditions match what is happening in the function?
- Is the solution efficient?

## What if doesn't work?

- All assignments must be turned in on the day they are due, even if they are not working. You can go back and makeup old programs if you have completed the current assignment before the current assignment's deadline.
- Show sample runs showing that part(s) of your program do work. In your report explain what works and what does not work and why.
- The definition of the problem and the outline of your incomplete solution.

## What do I write in my report if my program works correctly?

- The definition of the problem, outline of your solution, and explain how you went about solving the problem.