

Style Sheet for C++

Version of 060926

1. The first lines of your program should be like these:

```
// Written by Barry Soroka
//
// Solves CS 128, Fall 2006, Homework 1
//
```

2. The program which solves Homework 3 should be named `hw03.cpp` *etc.*
3. Constants are written in all capital letters. Underscores may be used to separate words. For example, `MAX_SIZE`, `E`, `PI`.
4. Here is an example of the required indentation scheme:

```
int main()
{
    if (a == b)
    {
        cout << "They're equal!" << endl;
    }
    return 0;
}
```

Braces — “{” and “}” — should always pair up vertically or horizontally. Vertically is as shown above. Horizontally is as `{ x = 2; y = 5; }`.

5. If only a single statement follows an `if` or `else`, then the braces may be omitted:

```
if (cond1) cout << 1;
else if (cond2) cout << 2;
else cout << 3;
```

6. Avoid nested `if` statements — they can become very hard to understand and debug. Multiway branches — `if ... else if ... else if ... else` are an exception.
7. Indent with 3 or 4 spaces — pick one and stick with it. Be consistent. Do not indent with the TAB key — your indents will generally be *way* too wide. The notation “**IND**” means that your indentation is incorrect.
8. Names of variables and functions should reflect the purpose of said variables and functions. “**BVN**” is the notation for “Bad Variable Name” *etc.*
9. Your name must appear in a comment as the first line of your program. The grading notation “**NNIC**” means “No Name In Code.”
10. Hardcopy of C++ code, data, and output should be printed using a **fixed-width** font. “**UFWF**” is the notation for “Use Fixed Width Font.”

11. When printing, be sure that single lines of code are not split across several output lines. Avoid wraparound (“**WA**”).