

Converting C++ to Java – Outline

I. Basic Syntax, Variables and Output

- Loops, logical expressions, variable assignment, comments
- Variable types: What about Sizeof()?
- System.out.println
- Group Exercise 1: Basic Output and Program Logic

II. Input and Exceptions

- Basic input, BufferedReader, InputStreamReader
- What to memorize (for now)
- What are exceptions?
- Why do we catch exceptions?
- Group Exercise 2: Input and Exceptions

III. Javac vs. G++

- A class file versus a.out
- Common problems when compiling
- What is a Virtual Machine?

IV. The Big Picture

- How Java is an improvement over C++
- Looking Ahead: Using the API Documentation
- Free Java tools (aside from Einstein)
- Review “Quiz”