

## Syntax Coloring Between C and Java: A JNI Approach (Outline)

1. Initial Stage
  - a. Sending Text from Java to C
    - i. Calling C Functions in Java
  - b. Parsing
  - c. Storing Token Information
2. JNI Method Calls in C
  - a. Obtaining a Java class and Java methods
    - i. FindClass(..)
    - ii. GetMethodID(..)
  - b. Creating Java Object and Object Array
    - i. NewObjectArray(..)
    - ii. NewObject(..)
  - c. Assigning Appropriate Values to Array Objects
3. Coloring From Eclipse Side
  - a. Coloring Location
    - i. Repair class
  - b. How To
    - i. Modify Text Presentation
    - ii. Change Color Attribute Object(StyleRange)
4. Future Goals and Tactics
  - a. Next Goal for Research Project
    - i. Changes to Current Implementation
    - ii. Errors
5. Questions?