

## Lab Assignment 1

1. Refer to the Splint Manual (<http://splint.org/manual/html/contents.html>).
2. Install Splint Tool.
3. Examine all the possible warnings that can be generated in the program.
4. From the classes of errors listed below, Design a c program fragment to compare the outputs of Splint and the Standard C compiler.
  - Dereferencing a possibly null pointer.
  - Using possibly undefined storage or returning storage that is not properly defined.
  - Type mismatches, with greater precision and flexibility than provided by C compilers .
  - Violations of information hiding.
  - Memory management errors including uses of dangling references and memory leaks.
  - Dangerous aliasing.