**Splint Tool**

C compiler is pretty vague in many aspects of checking program correctness, particularly in type checking. Careful use of prototyping of functions can assist modern C compilers in this task. However, there is still no guarantee that once you have successfully compiled your program that it will run correctly.

The splint, short for secure Programming Lint, is a programming tool for statically checking C programs for security Vulnerabilities and coding mistakes.

Splint has the ability to interpret special annotations to the source code, which gives it stronger checking than is possible just by looking at the source alone.

Splint is particularly good at checking type checking of variable and function assignments, efficiency, unused variables and function identifiers, unreachable code and possible memory leaks.

The UNIX Lint tool Secure Programming Lint (SPLINT), can assist in checking for a multitude of programming errors. The command “man splint “used to check for complete details of splint.

**To run splint simply enter the command:**

splint prog.c

**Output:**

