**GCOV REPORT**

Gcov is an open-source code-coverage tool Use it in concert with GCC to analyze your programs to help create more efficient, faster running code and to discover untested parts of your program. You can use **gcov** as a profiling tool to help discover where your optimization efforts will best affect your code.

How to use gcov ?

To use Gcov, perform the following steps:

1. Compile the code with the **-fprofile-arcs** and **-ftest-coverage** flags

$ **gcc -fprofile-arcs -ftest-coverage sprint1.c**

sprint1.gcno and a.out - two files will be created

2. Generate a report file based on the data that is stored in the profile output files:

$ **gcov sprint1.c**

sprint1.c.gcov file will be created









