gcov

gcov is a test coverage program. 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. You can also use gcov along with the other profiling tool, gprof, to assess which parts of your code use the greatest amount of computing time.

commands:

Compile the program using gcc \$gcc -fprofile-arcs -ftest-coverage -o final main.cpp

This will create .gcno file in addition to the executable. \$ Is final main.cpp final-main.gcno

run the executable
\$./final

Now gcov can be run to get the coverage data. \$gcov final-main.cpp



