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keyur158138@Keyur: ~/Desktop/test
keyur158138@Keyur:~/Desktop/test$ ls
main.c
keyur158138@Keyur:~/Desktop/test$ gcc -fprofile-arcs -ftest-coverage main.c -o main
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.gcno
keyur158138@Keyur:~/Desktop/test$ ./main
hello from linux!
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.gcda main.gcno
keyur158138@Keyur:~/Desktop/test$ gcov main.gcda
File 'main.c'
Lines executed:50.00% of 6
Creating 'main.c.gcov'

Lines executed:50.00% of 6
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.c.gcov main.gcda main.gcno
keyur158138@Keyur:~/Desktop/test$ |
```

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-: 0:Source:main.c
-: 0:Graph:main.gcno
-: 0:Data:main.gcda
-: 0:Runs:1
-: 1:#include<stdio.h>
-: 2:
#####: 3:void greet(char* name){
#####: 4:     printf("hello, %s\n", name);
#####: 5:     return;
-: 6:}
-: 7:
1: 8:int main(int argc, int** argv){
1: 9:     printf("hello from linux!\n");
1: 10:     return 0;
-: 11:}
```

"main.c.gcov" 15L, 454B

1,1

All

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keyur158138@Keyur: ~/Desktop/test
main.c
keyur158138@Keyur:~/Desktop/test$ gcc -fprofile-arcs -ftest-coverage main.c -o main
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.gcno
keyur158138@Keyur:~/Desktop/test$ ./main
hello from linux!
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.gcda main.gcno
keyur158138@Keyur:~/Desktop/test$ gcov main.gcda
File 'main.c'
Lines executed:50.00% of 6
Creating 'main.c.gcov'

Lines executed:50.00% of 6
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.c.gcov main.gcda main.gcno
keyur158138@Keyur:~/Desktop/test$ vim main.c.gcov
keyur158138@Keyur:~/Desktop/test$ lcov --capture --directory . --output-file main.info
Capturing coverage data from .
Subroutine read_intermediate_text redefined at /usr/bin/geninfo line 2623.
Subroutine read_intermediate_json redefined at /usr/bin/geninfo line 2655.
Subroutine intermediate_text_to_info redefined at /usr/bin/geninfo line 2703.
Subroutine intermediate_json_to_info redefined at /usr/bin/geninfo line 2792.
Subroutine get_output_fd redefined at /usr/bin/geninfo line 2872.
Subroutine print_gcov_warnings redefined at /usr/bin/geninfo line 2900.
Subroutine process_intermediate redefined at /usr/bin/geninfo line 2930.
Found gcov version: 11.3.0
Using intermediate gcov format
Scanning . for .gcda files ...
Found 1 data files in .
Processing main.gcda
Finished .info-file creation
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.c.gcov main.gcda main.gcno main.info
keyur158138@Keyur:~/Desktop/test$ genhtml main.info --output-directory . -o newFolder
Reading data file main.info
Found 1 entries.
Found common filename prefix "/home/keyur158138/Desktop"
Writing .css and .png files.
Generating output.
Processing file test/main.c
Writing directory view page.
Overall coverage rate:
  lines.....: 50.0% (3 of 6 lines)
  functions..: 50.0% (1 of 2 functions)
keyur158138@Keyur:~/Desktop/test$ |
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```
keyur158138@Keyur: ~/Desktop/test/newFolder
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.gcda main.gcno
keyur158138@Keyur:~/Desktop/test$ gcov main.gcda
File 'main.c'
Lines executed:50.00% of 6
Creating 'main.c.gcov'

Lines executed:50.00% of 6
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.c.gcov main.gcda main.gcno
keyur158138@Keyur:~/Desktop/test$ vim main.c.gcov
keyur158138@Keyur:~/Desktop/test$ lcov --capture --directory . --output-file main.info
Capturing coverage data from .
Subroutine read_intermediate_text redefined at /usr/bin/geninfo line 2623.
Subroutine read_intermediate_json redefined at /usr/bin/geninfo line 2655.
Subroutine intermediate_text_to_info redefined at /usr/bin/geninfo line 2703.
Subroutine intermediate_json_to_info redefined at /usr/bin/geninfo line 2792.
Subroutine get_output_fd redefined at /usr/bin/geninfo line 2872.
Subroutine print_gcov_warnings redefined at /usr/bin/geninfo line 2900.
Subroutine process_intermediate redefined at /usr/bin/geninfo line 2930.
Found gcov version: 11.3.0
Using intermediate gcov format
Scanning . for .gcda files ...
Found 1 data files in .
Processing main.gcda
Finished .info-file creation
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.c.gcov main.gcda main.gcno main.info
keyur158138@Keyur:~/Desktop/test$ genhtml main.info --output-directory . -o newFolder
Reading data file main.info
Found 1 entries.
Found common filename prefix "/home/keyur158138/Desktop"
Writing .css and .png files.
Generating output.
Processing file test/main.c
Writing directory view page.
Overall coverage rate:
  lines.....: 50.0% (3 of 6 lines)
  functions..: 50.0% (1 of 2 functions)
keyur158138@Keyur:~/Desktop/test$ ls
main main.c main.c.gcov main.gcda main.gcno main.info newFolder
keyur158138@Keyur:~/Desktop/test$ cd newFolder/
keyur158138@Keyur:~/Desktop/test/newFolder$ ls
amber.png gcov.css index.html index-sort-l.html snow.png updown.png
emerald.png glass.png index-sort-f.html ruby.png test
keyur158138@Keyur:~/Desktop/test/newFolder$ |
```



