

CS362-004

Random Testing (RT) Quiz

The primary goal of this quiz is to test your ability to generate a random test generator.

Note:

- Do this quiz on your own and please don't share your answers.
- Use the attached file named testme.c

Quiz Details:

- 1) Implement a random tester for the function **testme()** in **testme.c**. Your random tester will print the output of any error messages. You should implement **inputChar()** and **inputString()** to produce random values.
- 2) Describe how you developed your random tester in a file called **randomstring.pdf**.
- 3) Create a Makefile and add a rule in the Makefile that will compile and execute the testme.c file.
- 4) Create a branch in your github repository named **youronid-random-quiz**.
- 5) Create a directory in this branch (under your onid directory and not under dominion directory), and name it: **projects/your-onid/quiz**. Submit testme.c and the Makefile in this folder. Check this branch into github.
- 6) Add a comment in Canvas and give the URL for your fork.

Helpful hints:

- You can choose and design your input pool (such as, string size (random or fixed), include every character in the ASCII code, include every lowercase letter in the alphabet, or include only the letters used in the target statement, etc.).
- Your random test generator should not take more than five minutes to achieve the coverage goal.

Submission instructions:

- **Canvas**
 - Submit **randomstring.pdf**, the documentation that describes how you developed your random tester.
 - Add a comment and give the URL for your fork.

- **The class github repository**

- Create a new **branch** of your repository called “**youronid-random-quiz**” that contains your final submission. This branch must be created before the due date to receive credit. **
- Submit your complete code (testme.c, make file, and/or another files) under a folder called **CS362-004/projects/your-onid/quiz**.