Improved demo on testing functions

Jiahao Cai

Oct, 8, 2018

0. Some modifications

I have edited the LOG macro in the annotated C source file, add delimiter to the log format:

```
static FILE *log_file;
static const char log_dir[] = "./temp/";
static char path[100] = "./temp/";
static char delimiter[] = "$$";
#define LOG(msg) \
    do {\
        strcat(path, __func__);\
        strcat(path, delimiter);\
        strcat(path, msg);\
        strcat(path, delimiter);\
        log_file = fopen(path, "w");\
        memset(path + sizeof(log_dir) - 1, 0, sizeof(path) - sizeof(log_dir));\
        fclose(log_file);\
    } while(0)
Now each log entry is like, which can be easily splitted:
open("./temp/parse_string$$=='\"'$$", O_WRONLY|O_CREAT|O_TRUNC, 0666) = 3
The signature of {"normal": "whatever"} will be:
*****
== ' { '
!=!}'
== ' \ '' '
!='\"'
!='\\'
!='\"'
!='\\'
! = ' \ '' '
!='\\'
```

```
!='\"'
!='\\'
!='\"'
!='\\'
!='\"'
!='\\'
== ' \ '' '
!='\\'
!='\\'
!='\\'
!='\\'
!='\\'
!='\\'
==!:!
== ' \ '' '
!='\"'
!='\\'
!="\""
!='\\'
!='\"'
!='\\'
!='\"'
!='\\'
!="\""
!='\\'
!='\"'
!='\\'
!='\"'
!='\\'
!='\"'
!="\\"
== ' \ '' '
!='\\'
!='\\'
!='\\'
!='\\'
!='\\'
!='\\'
!='\\'
!='\\'
!=','
=='}'
```
