## Run the test using CLion

## make all

```
€ CLion File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
Massign1_Group9_Ramos_Yun_Xie Version control V
                              M↓ README.md M makefile ×
   ☐ .PVS-Studio 2 CC = gcc ☐ test_assign1 3
                           # Compiler flags: -Wall enables warnings, -g enables debugging

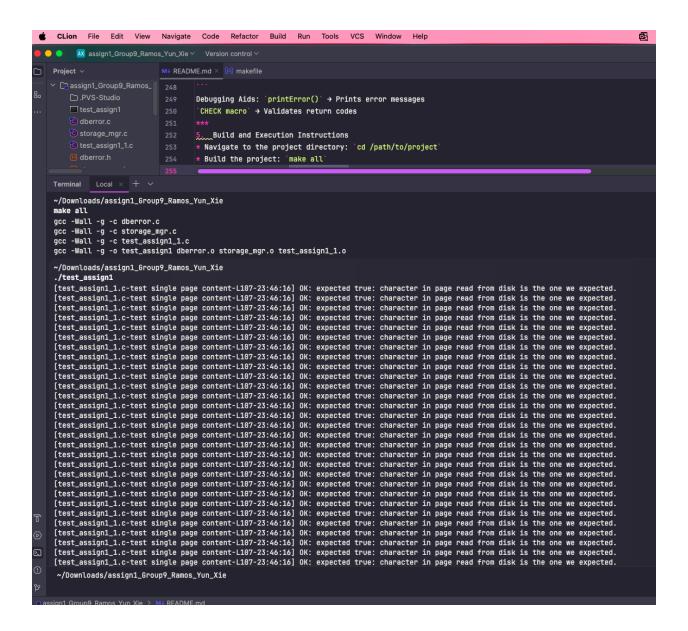
CFLAGS = -Wall -g
       storage_mgr.c
       # Object files needed for the executable

# storage_mgr.h 8 OBJ = dberror.o storage_mgr.o test_assign1_1.o

# test_helper.h 9
       M∔README.md 10 # The default target (entry point for `make` command)
       M makefile 11  all: test_assign1 dberror.o 12
        storage_mgr.o 13 # Rule to create the executable test_assign1

test_assign1_1.o 14 #$@ represents the target name (test_assign1)

External Libraries 15 # $^ represents all the dependencies (object files)
    > = Scratches and Consoles 16 > test_assign1: $(0BJ)
                                        $(CC) $(CFLAGS) -o $@ $^
                               # Rule to compile C source files into object files (.o)
                               # $< represents the first prerequisite (a .c file)
                               21 > %.o: %.c
                                        $(CC) $(CFLAGS) -c $<
                               24 # Clean up generated files
                               25 Clean:
                                        # Remove compiled binary and object files
    ~/Downloads/assign1_Group9_Ramos_Yun_Xie
    make all
    gcc -Wall -g -c dberror.c
    gcc -Wall -g -c storage_mgr.c
    gcc -Wall -g -c test_assign1_1.c
    gcc -Wall -g -o test_assign1 dberror.o storage_mgr.o test_assign1_1.o
     ~/Downloads/assign1_Group9_Ramos_Yun_Xie
```



## Run the test using Terminal

## Example you have the folder on Downloads

```
€ Terminal Shell Edit View Window Help
                                                                                                                                                                                                                                                                                                                                                                                                                                                assign1_Group9_Ramos_Yun_Xie — -zsh — 155×72
    Last login: Sun Feb 2 23:51:20 on ttys005
|harleeliz@Mac ~ % cd Downloads/assign1_Group9_Ramos_Yun_Xie
|harleeliz@Mac assign1_Group9_Ramos_Yun_Xie % make clean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Remove compiled binary and object files

rm -f test_assign1 *.o
harleeliz@Mac assign1_Group9_Ramos_Yun_Xie % make all

gcc -Wall -g -c dberror.c

gcc -Wall -g -c storage_mgr.c

gcc -Wall -g -c est_assign1_1.c

gcc -Wall -g - o test_assign1 dberror.o storage_mgr.o test_assign1_1.o

harleeliz@Mac assign1_Group9_Ramos_Yun_Xie % ./test_assign1

[test_assign1_1.c-test create, open, and close methods-L58-23:55:09] OK: expected true: filename correct

[test_assign1_1.c-test create, open, and close methods-L58-23:55:09] OK: expected true: expect 1 page in new file

[test_assign1_1.c-test create, open, and close methods-L68-23:55:09] OK: expected true: freshly opened file's page position should be 0

[test_assign1_1.c-test create, open, and close methods-L69-23:55:09] OK: expected true: opening non-existing file should return an error.

[test_assign1_1.c-test create, open, and close methods-L69-23:55:09] OK: finished test
        # Remove compiled binary and object files
  Created and opened file
[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first page of freshly initialized page
[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first page of freshly initialized page
[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first page of freshly initialized page
[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first page of freshly initialized page
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[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first page of freshly initialized page
[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first page of freshly initialized page
[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first page of freshly initialized page
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[test_assign1_1.c-test single page content-L93-23:55:89] OK: expected true: expected zero byte in first 
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        [test_assign1_1.c-test multiple page content-L148-23:55:89] OK: expected true: character in second page read from disk is the one we expected.
[test_assign1_1.c-test multiple page content-L148-23:55:89] OK: expected true: character in second page read from disk is the one we expected.
        [test_assign1_1.c-test multiple page content-L157-23:55:09] OK: finished test
        [test_assign1_1.c-test ensure capacity-L172-23:55:09] OK: expected true: File should have 5 pages after ensuring capacity. [test_assign1_1.c-test ensure capacity-L176-23:55:09] OK: expected true: File should have 10 pages after ensuring capacity. [test_assign1_1.c-test ensure capacity-L182-23:55:09] OK: finished test
        harleeliz@Mac assign1 Group9 Ramos Yun Xie % ■
```