```
user1@ubuntu1:~/Downloads/vscode/assignment_2/4/assign2$ ./test2 0>2.txt 1>2.txt 2>2.txt
user1@ubuntu1:~/Downloads/vscode/assignment_2/4/assign2$ ls -ltr
total 3708
                                      1 14:32 test_helper.h
                            2541 Feb
-rwxrwxrwx 1 user1 user1
                            6896 Feb
-rwxrwxrwx 1 user1 user1
                                      1 14:32 test_assign2_2.c
                            7975 Feb
-rwxrwxrwx 1 user1 user1
                                      1 14:32 test_assign2_1.c
                            1769 Feb
                                      1 14:32 storage_mgr.h
-rwxrwxrwx 1 user1 user1
                                      1 14:32 Makefile
                            1240 Feb
-rwxrwxrwx 1 user1 user1
                             201 Feb
                                      1 14:32 dt.h
-rwxrwxrwx 1 user1 user1
                                      1 14:32 dberror.c
                             640 Feb
-rwxrwxrwx 1 user1 user1
                                      1 14:32 buffer_mgr_stat.h
-rwxrwxrwx 1 user1 user1
                            321 Feb
                            2160 Feb
-rwxrwxrwx 1 user1 user1
                                      1 14:32 buffer_mgr_stat.c
                            1838 Feb
                                     1 14:32 buffer_mgr.h
-rwxrwxrwx 1 user1 user1
                            1618 Feb 21 10:16 dberror.h
-rwxrwxrwx 1 user1 user1
-rwxrwxrwx 1 user1 user1
                            9066 Feb 21 12:09 storage_mgr.c
                           33818 Feb 21 15:57 buffer_mgr.c
-rwxrwxrwx 1 user1 user1
-rwxrwxrwx 1 user1 user1
                           6478 Feb 21 16:12 README.md
                           39720 Feb 21 16:17 test_assign2_1.o
-rwxrwxrwx 1 user1 user1
-rwxrwxrwx 1 user1 user1
                           17952 Feb 21 16:17 storage_mgr.o
                           5560 Feb 21 16:17 dberror.o
-rwxrwxrwx 1 user1 user1
                           27072 Feb 21 16:17 buffer_mgr.o
-rwxrwxrwx 1 user1 user1
-rwxrwxrwx 1 user1 user1
                           10200 Feb 21 16:17 buffer_mgr_stat.o
                           61736 Feb 21 16:17 test1
-rwxrwxrwx 1 user1 user1
                           39088 Feb 21 16:17 test_assign2_2.o
-rwxrwxrwx 1 user1 user1
                           61760 Feb 21 16:17 test2
-rwxrwxrwx 1 user1 user1
-rw-rw-r-- 1 user1 user1 1495869 Feb 21 16:18 1.txt
-rw-rw-r-- 1 user1 user1 409600 Feb 21 16:18 testbuffer.bin
-rw-rw-r-- 1 user1 user1 1493061 Feb 21 16:18 2.txt
                                      gnment_2/4/assign2$
user1@ubuntu1:~/Downloads/v
```

OutputFile: 1.txt:

page content

page content

my page content

1.txt







```
-----
Initializing Storage Manager !
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-0> and was <Page-0>: reading back dummy pa
ge content
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-1> and was <Page-1>: reading back dummy pa
ge content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-2> and was <Page-2>: reading back dummy pa
ge content
test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3> and was <Page-3>: reading back dummy pa
ge content
test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-4> and was <Page-4>: reading back dummy pa
ge content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-5> and was <Page-5>: reading back dummy pa
ge content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-6> and was <Page-6>: reading back dummy pa
ge content
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-7> and was <Page-7>: reading back dummy pa
ge content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-8> and was <Page-8>: reading back dummy pa
ge content
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9> and was <Page-9>: reading back dummy pa
ge content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-10> and was <Page-10>: reading back dummy
page content
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-11> and was <Page-11>: reading back dummy page content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-12> and was <Page-12>: reading back dummy
page content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-13> and was <Page-13>: reading back dummy
page content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-14> and was <Page-14>: reading back dummy
page content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-15> and was <Page-15>: reading back dummy
page content
.
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-16> and was <Page-16>: reading back dummy
```

. [test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-17> and was <Page-17>: reading back dummy

. [test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-18> and was <Page-18>: reading back dummy

test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3057> and was <Page-3057>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3058> and was <Page-3058>: reading back du nmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3059> and was <Page-3059>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3060> and was <Page-3060>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3061> and was <Page-3061>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3062> and was <Page-3062>: reading back du mmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3063> and was <Page-3063>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3064> and was <Page-3064>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3065> and was <Page-3065>: reading back du nmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3066> and was <Page-3066>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3067> and was <Page-3067>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3068> and was <Page-3068>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3069> and was <Page-3069>: reading back du nmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3070> and was <Page-3070>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3071> and was <Page-3071>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3072> and was <Page-3072>: reading back du nmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3073> and was <Page-3073>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3074> and was <Page-3074>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3075> and was <Page-3075>: reading back du

test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-3076> and was <Page-3076>: reading back du

k pool content

test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9984> and was <Page-9984>: reading back du mmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9985> and was <Page-9985>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9986> and was <Page-9986>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9987> and was <Page-9987>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9988> and was <Page-9988>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9989> and was <Page-9989>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9990> and was <Page-9990>: reading back du nmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9991> and was <Page-9991>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9992> and was <Page-9992>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9993> and was <Page-9993>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9994> and was <Page-9994>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9995> and was <Page-9995>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9996> and was <Page-9996>: reading back du nmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9997> and was <Page-9997>: reading back du my page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9998> and was <Page-9998>: reading back du my page content test assign2 1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9999> and was <Page-9999>: reading back du nmy page content test_assign2_1.c-Creating and Reading Back Dummy Pages-L72-16:17:51] OK: finished test test assign2 1.c-Reading a page-L148-16:17:51] OK: finished test test_assign2_1.c-Testing FIFO page replacement-L188-16:17:51] OK: expected <[0 0],[-1 0],[-1 0]> and was <[0 0],[-1 0],[-1 0]>: che

test_assign2_1.c-Testing FIFO page replacement-L188-16:17:51] OK: expected <[0 0],[1 0],[-1 0]> and was <[0 0],[1 0],[-1 0]>: check

```
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L111-16:17:51] OK: expected <Page-9999> and was <Page-9999>: reading back du
  my page content
[test_assign2_1.c-Creating and Reading Back Dummy Pages-L72-16:17:51] OK: finished test
[test assign2 1.c-Reading a page-L148-16:17:51] OK: finished test
[test_assign2_1.c-Testing FIFO page replacement-L188-16:17:51] OK: expected <[0 0],[-1 0],[-1 0]> and was <[0 0],[-1 0],[-1 0]>: che
ck pool content
[test_assign2_1.c-Testing FIFO page replacement-L188-16:17:51] OK: expected <[0 0],[1 0],[-1 0]> and was <[0 0],[1 0],[-1 0]>: check
  pool content
[test_assign2_1.c-Testing FIFO page replacement-L188-16:17:51] OK: expected <[0 0],[1 0],[2 0]> and was <[0 0],[1 0],[2 0]>: check p
ool content
[test_assign2_1.c-Testing FIFO page replacement-L188-16:17:51] OK: expected <[3 0],[1 0],[2 0]> and was <[3 0],[1 0],[2 0]>: check p
ool content
[test_assign2_1.c-Testing FIFO page replacement-L188-16:17:51] OK: expected <[3 0],[4 0],[2 0]> and was <[3 0],[4 0],[2 0]>: check p
ool content
[test_assign2_1.c-Testing FIFO page replacement-L194-16:17:51] OK: expected <[3 0],[4 1],[2 0]> and was <[3 0],[4 1],[2 0]>: pool co
ntent after pin page
[test_assign2_1.c-Testing FIFO page replacement-L202-16:17:51] OK: expected <[3 0],[4 1],[5x0]> and was <[3 0],[4 1],[5x0]>: check p
ool content
[test_assign2_1.c-Testing FIFO page replacement-L202-16:17:51] OK: expected <[6x0],[4 1],[5x0]> and was <[6x0],[4 1],[5x0]>: check p
ool content
[test_assign2_1.c-Testing FIFO page replacement-L202-16:17:51] OK: expected <[6x0],[4 1],[0x0]> and was <[6x0],[4 1],[0x0]>: check p
ool content
[test_assign2_1.c-Testing FIFO page replacement-L209-16:17:51] OK: expected <[6x0],[4 0],[0x0]> and was <[6x0],[4 0],[0x0]>: unpin l
 ast page
 [test_assign2_1.c-Testing FIFO page replacement-L213-16:17:51] OK: expected <[6 0],[4 0],[0 0]> and was <[6 0],[4 0],[0 0]>: pool co
ntent after flush
[test_assign2_1.c-Testing FIFO page replacement-L216-16:17:51] OK: expected <3> and was <3>: check number of write I/Os
[test_assign2_1.c-Testing FIFO page replacement-L217-16:17:51] OK: expected <8> and was <8>: check number of read I/Os
[test_assign2_1.c-Testing FIFO page replacement-L224-16:17:51] OK: finished test
[test_assign2_1.c-Testing LRU page replacement-L270-16:17:51] OK: expected <[0 0],[-1 0],[-1 0],[-1 0],[-1 0]> and was <[0 0],[-1 0]
[test_assign2_1.c-Testing LRU page replacement-L270-16:17:51] OK: expected <[0 0],[-1 0],[-1 0],[-1 0],[-1 0] and was <[0 0],[-1 0],[-1 0],[-1 0],: check pool content reading in pages
[test_assign2_1.c-Testing LRU page replacement-L270-16:17:51] OK: expected <[0 0],[1 0],[-1 0],[-1 0],[-1 0],[-1 0] and was <[0 0],[1 0],[-1 0],[-1 0],[-1 0] and was <[0 0],[1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1
```

```
ntent after flush
 [test_assign2_1.c-Testing FIFO page replacement-L216-16:17:51] OK: expected <3> and was <3>: check number of write I/Os
[test_assign2_1.c-Testing FIFO page replacement-L217-16:17:51] OK: expected <8> and was <8>: check number of read I/Os
[test_assign2_1.c-Testing FIFO page replacement-L224-16:17:51] OK: finished test
[test_assign2_1.c-Testing LRU page replacement-L270-16:17:51] OK: expected <[0 0],[-1 0],[-1 0],[-1 0],[-1 0]> and was <[0 0],[-1 0]
[test_assign2_1.c-lesting LRU page replacement-L270-16:17:51] OK: expected <[0 0],[-1 0],[-1 0],[-1 0],[-1 0] and was <[0 0],[-1 0],[-1 0],[-1 0] and was <[0 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-1 0],[-
0],[-1 0],[-1 0]>: check pool content reading in pages

[test_assign2_1.c-Testing LRU page replacement-L270-16:17:51] OK: expected <[0 0],[1 0],[2 0],[3 0],[-1 0]> and was <[0 0],[1 0],[2 0],[3 0],[-1 0]>: check pool content reading in pages

[test_assign2_1.c-Testing LRU page replacement-L270-16:17:51] OK: expected <[0 0],[1 0],[2 0],[3 0],[4 0]> and was <[0 0],[1 0],[2 0],[3 0],[4 0]>: check pool content reading in pages
   test_assign2_1.c-Testing LRU page replacement-L279-16:17:51] OK: expected <[0 0],[1 0],[2 0],[3 0],[4 0]> and was <[0 0],[1 0],[2 0
    ,[3 0],[4 0]>: check pool content using pages
  test_assign2_1.c-Testing LRU page replacement-L279-16:17:51] OK: expected <[0 0],[1 0],[2 0],[3 0],[4 0]> and was <[0 0],[1 0],[2 0
  test_assign2_1.c-Testing LRU page replacement-L279-10.17.31] OK. expected <[0 0],[1 0],[2 0],[3 0],[4 0]> and was <[0 0],[1 0],[2 0],
[1,[3 0],[4 0]>: check pool content using pages
[test_assign2_1.c-Testing LRU page replacement-L279-16:17:51] OK: expected <[0 0],[1 0],[2 0],[3 0],[4 0]> and was <[0 0],[1 0],[2 0
    ,[3 0],[4 0]>: check pool content using pages
 ],[3 0],[4 0]>: check pool content using pages
[test_assign2_1.c-Testing LRU page replacement-L279-16:17:51] OK: expected <[0 0],[1 0],[2 0],[3 0],[4 0]> and was <[0 0],[1 0],[2 0]
],[3 0],[4 0]>: check pool content using pages
[test_assign2_1.c-Testing LRU page replacement-L279-16:17:51] OK: expected <[0 0],[1 0],[2 0],[3 0],[4 0]> and was <[0 0],[1 0],[2 0]
],[3 0],[4 0]>: check pool content using pages
[test_assign2_1.c-Testing LRU page replacement-L288-16:17:51] OK: expected <[0 0],[1 0],[2 0],[5 0],[4 0]> and was <[0 0],[1 0],[2 0]
   ,[5 0],[4 0]>: check pool content using pages
   test_assign2_1.c-Testing LRU page replacement-L288-16:17:51] OK: expected <[0 0],[1 0],[2 0],[5 0],[6 0]> and was <[0 0],[1 0],[2 0
  ],[5 0],[6 0]>: check pool content using pages
[test_assign2_1.c-Testing LRU page replacement-L288-16:17:51] OK: expected <[7 0],[1 0],[2 0],[5 0],[6 0]> and was <[7 0],[1 0],[2 0
  ],[5 0],[6 0]>: check pool content using pages
test_assign2_1.c-Testing LRU page replacement-L288-16:17:51] OK: expected <[7 0],[1 0],[8 0],[8 0],[6 0]> and was <[7 0],[1 0],[8 0]
[test_assign2_1.c-Testing LRU page replacement-L288-16:17:51] OK: expected <[7 0],[1 0],[8 0],[5 0],[6 0]> and was <[7 0],[1 0],[6 0]>, and was <[7 0],[9 0],[8 0],[9 0],[8 0],[5 0],[6 0]> and was <[7 0],[9 0],[8 0],[6 0]>. check pool content using pages
[test_assign2_1.c-Testing LRU page replacement-L293-16:17:51] OK: expected <0> and was <0>: check number of write I/Os
[test_assign2_1.c-Testing LRU page replacement-L294-16:17:51] OK: expected <10> and was <10>: check number of read I/Os
[test_assign2_1.c-Testing LRU page replacement-L301-16:17:51] OK: finished test
```

OutputFile: 2.txt:

```
______
Initializing Storage Manager !
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-0> and was <Page-0>: reading back dummy pa
ge content
.
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-1> and was <Page-1>: reading back dummy pa
e content
.
Ttest assign2 2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-2> and was <Page-2>: reading back dummy pa
e content
test assign2 2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-3> and was <Page-3>: reading back dummy pages
ge content
test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-4> and was <Page-4>: reading back dummy pa
 e content
.
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-5> and was <Page-5>: reading back dummy pa
e content
.
[test assign2 2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-6> and was <Page-6>: reading back dummy pa
ge content
.
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-7> and was <Page-7>: reading back dummy pa
 e content
[test assign2 2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-8> and was <Page-8>: reading back dummy pa
ae content
.
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9> and was <Page-9>: reading back dummy pa
ge content
test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-10> and was <Page-10>: reading back dummy
page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-11> and was <Page-11>: reading back dummy
page content
.
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-12> and was <Page-12>: reading back dummy
page content
.
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-13> and was <Page-13>: reading back dummy
page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-14> and was <Page-14>: reading back dummy
page content
.
[təst_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-15> and was <Page-15>: reading back dummy
page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-16> and was <Page-16>: reading back dummy
age content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-17> and was <Page-17>: reading back dummy
page content
.
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-18> and was <Page-18>: reading back dummy
```

```
[test assign2 2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9993> and was <Page-9993>: reading back du
mmy page content
test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9994> and was <Page-9994>: reading back du
 my page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9995> and was <Page-9995>: reading back du
mmy page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9996> and was <Page-9996>: reading back du
my page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9997> and was <Page-9997>: reading back du
my page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9998> and was <Page-9998>: reading back du
mmy page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L110-16:17:52] OK: expected <Page-9999> and was <Page-9999>: reading back du
mmy page content
[test_assign2_2.c-Creating and Reading Back Dummy Pages-L71-16:17:52] OK: finished test
[test assign2 2.c-Reading a page-L147-16:17:52] OK: finished test
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[-1 0],[-1 0],[-1 0]> and was <[3x0],[-1 0],[-1
0],[-1 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[2 0],[-1 0],[-1 0]> and was <[3x0],[2 0],[-1 0]
,[-1 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[2 0],[0 0],[-1 0]> and was <[3x0],[2 0],[0 0],[
-1 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[2 0],[0 0],[8 0]> and was <[3x0],[2 0],[0 0],[8
0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page
                                        replacement-L180-16:17:52] OK: expected <[4 0],[2 0],[0 0],[8 0]> and was <[4 0],[2 0],[0 0],[8
0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[4 0],[2 0],[0 0],[8 0]> and was <[4 0],[2 0],[0 0],[8
0]>: check pool content using pages
test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[4 0],[2 0],[5 0],[8 0]> and was <[4 0],[2 0],[5 0],[8
0]>: check pool content using pages
test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[4 0],[2 0],[5 0],[0 0]> and was <[4 0],[2 0],[5 0],[0
0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[9 0],[2 0],[5 0],[0 0]> and was <[9 0],[2 0],[5 0],[0
[test_assign2_2.c-Testing clock page replacement-L180-16:17:52] OK. Expected <[9 0],[2 0],[3 0],[6 0] and was <[9 0],[2 0],[5 0],[6 0] (best_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[9 0],[8 0],[5 0],[0 0]> and was <[9 0],[8 0],[5 0],[0 0]
 0]>: check pool content using pages
```

```
[test_assign2_2.c-Reading a page-L147-16:17:52] OK: finished test
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[-1 0],[-1 0],[-1 0]> and was <[3x0],[-1 0],[-1 0],[-1 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[2 0],[-1 0],[-1 0]> and was <[3x0],[2 0],[-1 0]
,[-1 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[2 0],[0 0],[-1 0]> and was <[3x0],[2 0],[0 0],[
-1 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[3x0],[2 0],[0 0],[8 0]> and was <[3x0],[2 0],[0 0],[8
  [-1 0]>: check pool content using pages
0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[4 0],[2 0],[0 0],[8 0]> and was <[4 0],[2 0],[0 0],[8
 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[4 0],[2 0],[0 0],[8 0]> and was <[4 0],[2 0],[0 0],[8
0]>: check pool content using pages
[test_assign2_2.c-Testing_CLOCK page_replacement-L180-16:17:52] OK: expected <[4_0],[2_0],[5_0],[8_0]> and was <[4_0],[2_0],[5_0],[8_0]>
 0]>:
       check pool content using pages
[test_assign2_2.c-Testing CLOCK page
                                                   replacement-L180-16:17:52] OK: expected <[4 0],[2 0],[5 0],[0 0]> and was <[4 0],[2 0],[5 0],[0
 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[9 0],[2 0],[5 0],[0 0]> and was <[9 0],[2 0],[5 0],[0
0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L180-16:17:52] OK: expected <[9 0],[8 0],[5 0],[0 0]> and was <[9 0],[8 0],[5 0],[0
  0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page
                                                   replacement-L180-16:17:52] OK: expected <[9 0],[8 0],[3x0],[0 0]> and was <[9 0],[8 0],[3x0],[0
 0]>: check pool content using pages
[test_assign2_2.c-Testing CLOCK page replacement-L184-16:17:52] OK: expected <2> and was <2>: Write I/Os
[test_assign2_2.c-Testing CLOCK page replacement-L185-16:17:52] OK: expected <10> and was <10>: Read I/O:
                                                                                        OK: expected <10> and was <10>: Read I/Os
```

[test_assign2_2.c-Testing CLOCK page replacement-L189-16:17:52] OK: finished test