1. What exactly is being output by Sample Program 1
   (i.e. what is the *meaning* of the output values)?

        Value A is the memory address of the start of shared memory
        Value B is the memory address of the end of shared memory

2. Read the man pages;
   then describe the meaning / purpose of each argument used by the `shmget()`
   function call.
      * Notice the use of macros to specify access permissions

Key → which shared memory block are we talking about
Size → How big should the memory be if we're making one
Shmflg → What permissions or creation rules do we want or have

3. Describe two specific uses of the `shmctl()` function call

    1. Removing a Shared Memory Segment from memory
    2. Retrieving status information from a shared memory segment

4. Read the man pages,
   then use `shmctl()` to modify Sample Program 1 so that it prints out the size
   of the shared memory segment

```
root@Rabbitlaptop:~/lab-5-shared-memory-gerrit-m# ./a.out
Value a: 0x7f644a499000  Value b: 0x7f644a49a000
Size of Shared Memory Segment is 4096 bytes.
```

5. Submit your screenshots

```
root@Rabbitlaptop:~/lab-5-shared-memory-gerrit-m# ./a.out
Value a: 0x7f644a499000  Value b: 0x7f644a49a000
Size of Shared Memory Segment is 4096 bytes.
Shared Memory Segment ID: 6
^C
root@Rabbitlaptop:~/lab-5-shared-memory-gerrit-m# ipcs

------ Message Queues --------
key        msqid      owner      perms      used-bytes   messages

------ Shared Memory Segments --------
key        shmid      owner      perms      bytes      nattch     status
0x00000000 2          root       600        4096       0
0x00000000 3          root       600        4096       0
0x00000000 6          root       600        4096       0

------ Semaphore Arrays --------
key        semid      owner      perms      nsems

root@Rabbitlaptop:~/lab-5-shared-memory-gerrit-m# ipcrm -m 6
root@Rabbitlaptop:~/lab-5-shared-memory-gerrit-m# ipcs

------ Message Queues --------
key        msqid      owner      perms      used-bytes   messages

------ Shared Memory Segments --------
key        shmid      owner      perms      bytes      nattch     status
0x00000000 2          root       600        4096       0
0x00000000 3          root       600        4096       0

------ Semaphore Arrays --------
key        semid      owner      perms      nsems
```