【2018 Network System Programming Homework 9】

This homework is focuses on Shared Libraries.

Rules:
1. Please use C language in this homework and run your program on Ubuntu 18.04.
2. Please provide Makefile to compile your homework; otherwise, you will get ZERO.
3. Do not copy others homework.
4. If you have any question, please send email to sp_ta@net.nsysu.edu.tw or come to F5018, but TA does not help to debug.

Upload:
1. Please compress your homework into zip or tar archive.
2. Naming rules: "StudentID_SP_HW9.zip". For example: M063040001_SP_HW9.zip
3. Upload your homework to NSYSU Cyber University.
4. Deadline: 2018/12/11 23:59; if it is overdue, you will also get ZERO.

Request:
Read the reference (pdf file), "The Linux Programming Interface-Shared Libraries", and write a program for Exercise 42-2 as shown below:

42-2. Add a *dladdr()* call to the program in Listing 42-1 (dynload.c) in order to retrieve information about the address returned by *dlsym()*. Print out the values of the fields of the returned *Dl_info* structure, and verify that they are as expected.