linked-list-program

Makefile

Compile

To compile all programs, run following command in root directory of submission where Makefile file is present

```
make build
```

After running make build command, object(.o) files related to source (.c) file can be located in their respective directories i.e. in directory

```
solution1/1a/
```

Run

For Solution1

```
make run_solution1
```

Clean

To clean up the directories, run command

```
make clean
```

Manual compilation and run

Solution1

First go to directory solution/1a using command:

```
cd solution/1a/
```

It has two files namely: a4q1a_int.c and a4q1a_char.c

Compile

```
gcc a4q1a_int.c -o a4q1aint
```

This will make an executable file named a4q1aint

```
gcc a4q1a_char.c -o a4q1achar
```

This will make an executable file named a4q1achar

Run

```
./a4q1aint cmd1.txt
./a4q1aint
```

(This will ask the commands from user and user can end giving input using ctrl+D)

```
./a4q1achar cmd2.txt
./a4q1achar
```

(Similar as ./a4q1aint)

The commands available are:

```
- a = append with syntax:
    a key value for a4q1a_int.c
    a string for a4q1a_int
- p = push similar to a but the command will contain p instead of a
- rem_first
- rem_last
- rem_small
- rem_large
- empty
- size
```

```
- print_all
- print_sort
```