Assignment 6

Exercise 00: libvc

Turn-in files	libvc_creator.sh, vc_swap.c, vc_putstr.c, vc_strlen.c, vc_strcmp.c
Allowed functions	write

- Create your vc library. It'll be called libvc.a
- A shell script called libvc_creator.sh will compile source files appropriately and will create your library.
- This library should contain *all* of the following functions:

```
void vc_swap(int *a, int *b);
void vc_putstr(char *str);
int vc_strlen(char *str);
int vc_strcmp(char *s1, char *s2);
```

- We'll run the following command-line: `$ bash libvc_creator.sh`

Exercise 01: vc_print_program_name

Turn-in files	vc_print_program_name.c
Allowed functions	printf

- We're dealing with a program here, you should therefore have a function *main* in your .c file.
- Create a program that displays its own program name.
- Example:

```
$ ./a.out
./a.out
```

Exercise 02: vc_print_params

Turn-in files	vc_print_params.c
Allowed functions	printf

- We're dealing with a program here, you should therefore have a function *main* in your .c file.
- Create a program that displays its given arguments.

- Example:

```
$ ./a.out test1 test2 test3
test1
test2
test3
```

Exercise 03: vc_rev_params

Turn-in files	**vc_rev_params.c**
Allowed functions	printf

- We're dealing with a program here, you should therefore have a function ***main*** in your .c file.
- Create a program that displays its given arguments in reverse order.
- It should display all arguments, except for ***argv[0]***.
- All arguments have to have their own line.

Exercise 04: vc_sort_params

Turn-in files	**vc_sort_params.c**
Allowed functions	printf

- We're dealing with a program here, you should therefore have a function ***main*** in your .c file.
- Create a program that displays its given arguments sorted by ascii order.
- It should display all arguments, except for ***argv[0]***.
- All arguments have to have their own line.