

Assignment 4

Exercise 00: vc_strcpy

Turn-in files	vc_strcpy.c
Allowed functions	Nothing

- Reproduce the behavior of the function **strcpy**
- Reference: `man strcpy`
- Function prototype: `char *vc_strcpy(char *dest, char *src);`

Exercise 01: vc_strncpy

Turn-in files	vc_strncpy.c
Allowed functions	Nothing

- Reproduce the behavior of the function **strncpy**
- Reference: `man strncpy`
- Function prototype: `char *vc_strncpy(char *dest, char *src, unsigned int n);`

Exercise 02: vc_strstr

Turn-in files	vc_strstr.c
Allowed functions	Nothing

- Reproduce the behavior of the function **strstr**
- Reference: `man strstr`
- Function prototype: `char *vc_strstr(char *str, char *to_find);`

Exercise 03: vc_strcmp

Turn-in files	vc_strcmp.c
Allowed functions	Nothing

- Reproduce the behavior of the function **strcmp**
- Reference: `man strcmp`
- Function prototype: `int vc_strcmp(char *s1, char *s2);`

Exercise 04: vc_strncmp

Turn-in files	vc_strncmp.c
Allowed functions	Nothing

- Reproduce the behavior of the function **strncmp**
- Reference: `man strncmp`
- Function prototype: `int vc_strncmp(char *s1, char *s2, unsigned int n);`

Exercise 05: vc_strupcase

Turn-in files	vc_strupcase.c
Allowed functions	Nothing

- Create a function that transforms every letter of every word to uppercase.
- It should return **str**.
- Function prototype: `char *vc_strupcase(char *str);`

Exercise 06: vc_strlowcase

Turn-in files	vc_strlowcase.c
Allowed functions	Nothing

- Create a function that transforms every letter of every word to lowercase.
- It should return **str**.
- Function prototype: `char *vc_strlowcase(char *str);`

Exercise 07: vc_strcapitalize

Turn-in files	vc_strcapitalize.c
Allowed functions	Nothing

- Create a function that capitalizes the first letter of each word and transforms all other letters to lowercase.
- A word is string of alphanumeric characters.
- It should return **str**.
- Function prototype: `char *vc_strcapitalize(char *str);`
- For example:

```
hello, you are the best-programmer; code+coffee+beer+wine!
```

- Becomes:

```
Hello, You Are The Best-Programmer; Code+Coffee+Beer+Wine!
```