

CEN 134 Hw (C Char Array(String) Operations)

Problem 1. In this problem you are wanted to implement the functions given below:

a) `int string_compare(char string1[],int string1_size,char string2[],int string2_size)`

This functions compares two strings and returns 0 if string1 and string2 is equal.

Else if string1 is alphabetically greater returns 1.

Else returns -1.

For example

```
char string1[3]="abc";
```

```
char string2[3]="abc";
```

```
string_compare(string1,3,string2,3); → returns 0
```

```
char string1[3]="abe";
```

```
char string2[3]="abc";
```

```
string_compare(string1,3,string2,3); → returns 1
```

```
char string1[3]="abc";
```

```
char string2[3]="abe";
```

```
string_compare(string1,3,string2,4); → returns -1
```

```
char string1[3]="abc";
```

```
char string2[3]="abcd";
```

```
string_compare(string1,3,string2,4); → returns -1
```

b) `void string_join(char string1[],int string1_size,char string2[],int string2_size,char string3[])`

This functions joins (concatanes) string1 and string2 to string3.

For example

```
char string1[3]="abc";
```

```
char string2[3]="def";
```

```
char string3[6];
```

string_join(string1,3,string2,3,string3); → After this function is called string3 becomes "abcdef"

```
char string1[3]="cba";
```

```
char string2[6]="wxzyuo";
```

```
char string3[9];
```

string_join(string1,3,string2,6,string3); → After this function is called string3 becomes "cbawxzyuo"

Homework Policies:

1. Please do not submit this homework and because it will not be graded. If you any questions please see me or your lab. assistants (ask them for their office hours) at the office hour that is announced on my web site.

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