



Dokuz Eylül University

EED1010 Algorithms and Programming

(b)-QUIZ I

Name:

ID:

Question : Write C program that alphabetizes (sorting according to the alphabet in increasing order) the 5 string arrays. The program asks the user for 5 strings and an integer parameter. The parameter indicates the letter in which the sorting starts. Therefore, sorting operation does not take account the letter(s) before the indicated letter. Hint: use the string comparison and manipulation functions. You may use Sort(array, sortingParameter) function.

```
void Sort( char array[5][ 50 ] ,int sortingParameter); // function prototype
```

```
char *strcpy( char *s1, const char *s2 )
```

Copies string s2 into array s1. The value of s1 is returned.

```
char *strcat( char *s1, const char *s2 )
```

Appends string s2 to array s1. The first character of s2 overwrites the terminating null character of s1. The value of s1 is returned.

```
int strcmp( const char *s1, const char *s2 );
```

Compares the string s1 with the string s2. The function returns 0, less than 0 or greater than 0 if s1 is equal to, less than or greater than s2, respectively.

```
C:\Users\kullanici\CLionProjects\untitled1> gcc sorting.c -o sorting.exe
C:\Users\kullanici\CLionProjects\untitled1> ./sorting.exe
sorting parameter:4
Enter a string: S.Ari
Z.Ari
Enter a string: B.Demir
B.Demir
Enter a string: S.Kamu
S.Kamu
Enter a string: W.Luna
W.Luna
Enter a string: K.Heins
K.Heins

The strings in sorted order are:
S.Kamu
K.Heins
B.Demir
Z.Ari
W.Luna

C:\Users\kullanici\CLionProjects\untitled1> gcc sorting.c -o sorting.exe
C:\Users\kullanici\CLionProjects\untitled1> ./sorting.exe
sorting parameter:1
Enter a string: S.Ari
Z.Ari
Enter a string: B.Demir
B.Demir
Enter a string: S.Kamu
S.Kamu
Enter a string: W.Luna
W.Luna
Enter a string: K.Heins
K.Heins

The strings in sorted order are:
B.Demir
K.Heins
S.Kamu
W.Luna
Z.Ari

C:\Users\kullanici\CLionProjects\untitled1> gcc sorting.c -o sorting.exe
C:\Users\kullanici\CLionProjects\untitled1> ./sorting.exe
sorting parameter:2
Enter a string: B.Demir
B.Demir
Enter a string: S.Ari
Z.Ari
Enter a string: K.Heins
K.Heins
Enter a string: S.Kamu
S.Kamu
Enter a string: W.Luna
W.Luna

The strings in sorted order are:
Z.Ari
B.Demir
K.Heins
S.Kamu
W.Luna
```