

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

ORGANISATION OF ISLAMIC COOPERATION (OIC)

Department of Computer Science and Engineering (CSE)

Course: 4108, Lab Task 12-1a

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Recreate your own version of “string.h” header file. Name your version “mystring.h” and create the following functions for the header file:

```
void mystrcat(char *a, char *b); //concatenates two strings
void mystrcpy(char *a, char *b); // copies one string into the other
int mystrcmp(char *a, char *b); // compares two strings lexicographically
int mystrlen(char *a); // Finds the length of a string
void mystrrev(char *a); // reverses a string
```

Do not use any in-built functions (from string.h) in the final code. You might use them only for debugging.

Sub-Tasks:

1. Create the functions in the main C file and run them. (7)
2. Create the new header file “mystring.h” and include it in the main C file. (3)
3. Use your self-created header file to join the following pairs of words, then reverse them, and sort them. (5)

el	ppa	ecnat	sbus	evit	necni	eh	t
gaz	giz	yras	secen	noita	vitom	t	seb
yrn	tnec	yrad	neces	ES	C	tnem	traped
noiti	dephe	ylt	saeb	s	i		