Lab 10

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Part 1

Q1.

char\* strcpy(char\* strDest, const char\* strSrc) {

unsigned i;

for (i=0; strSrc[i] != '\0'; ++i)

strDest[i] = strSrc[i];

strDest[i]='\0';

return strDest;

}

Q2. The return type “char \*” is used so that you can get a value that can be compared or checked.

Part 2

Q1.

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

int main() {

char in[21], smallword[21], largeword[21];

printf("Enter a word: ");

scanf("%s", in);

strcpy(smallword, in);

strcpy(largeword, in);

while(strlen(in)!= 4) {

if(strcmp(in, smallword)<0)

strcpy(smallword, in);

else if (strcmp(in, largeword)>0)

strcpy(largeword, in);

printf("Enter a word: ");

scanf("%s", in);

}

printf("Smallest word: %s\n", smallword);

printf("Largest word: %s\n", largeword);

return 0;

}

