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Lab Number: 10

1a.

char\* strcpy(char\* dest,

const char\* src)

{

unsigned i;

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

dest[i] = src[i];

dest[i] = '\0';

return dest;

}

1b. char\* is used as the return value because it uses pointers, making it more convenient to manipulate values.

2.

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

int main() {

char input[21], small[21], large[21];

printf("Enter a word: ");

scanf("%s", input);

strcpy(small, input);

strcpy(large, input);

while (strlen(input) != 4) {

if (strcmp(input, small) < 0)

strcpy(small, input);

else if (strcmp(input, large) > 0)

strcpy(large, input);

printf("Enter Word : ");

scanf("%s", input);

}

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

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

return 0;

}

