Consolidated Assignment 6 Report

This report contains the graded results for the newest of each exercise submitted to the assignment checker prior to 5/14/2020 1:12:10 PM PDT.

Student Name: Shaun Chemplavil

Student ID: U08713628

Contact e-mail: shaun.chemplavil@gmail.com

C/C++ Programming I (Section 146359)

Submitted:

Exercise 0: 4/23/2020 3:19:23 PM PDT Exercise 1: 4/23/2020 4:23:07 PM PDT Exercise 2: 5/8/2020 8:36:17 AM PDT Exercise 3: 5/8/2020 8:36:39 AM PDT

Score (out of 20 possible): ____17

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From: <mailto:shaun.chemplavil@gmail.com>

Subject: C1A6E0 U08713628

Submitted: 4/23/2020 3:19:23 PM PDT

Course: C/C++ Programming I (Section 146359)

Student's name: Shaun Chemplavil

Contact email: shaun.chemplavil@gmail.com

Student ID: U08713628 Assignment 6, Exercise 0 Exercise point value: 6

File submitted:
 C1A6E0_Quiz.txt

NOTE: The assignment checker does not check the correctness of quiz answers for this assignment.

Your submission has been accepted and will be graded manually by the instructor. You may resubmit it as many times as you wish before the assignment deadline. BE WARY of correcting minor issues after the deadline because a late deduction will usually be much greater than a minor issue deduction.

-3

Shaun Chemplavil U08713628
shaun.chemplavil@gmail.com
C/C++ Programming I : Fundamental Programming Concepts
146359 Raymond L. Mitchell, Jr., M.S.
04/23/2020
C1A6E0_Quiz.txt
Answers to Quiz

- 1. A <---D
- 2. D
- 3. A <---C
- 4. B
- 5. B <---E
- 6. A

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From: Shaun Chemplavil <mailto:shaun.chemplavil@gmail.com> Subject: C1A6E1 U08713628 Submitted: 4/23/2020 4:23:07 PM PDT Course: C/C++ Programming I (Section 146359) Student's name: Shaun Chemplavil Contact email: shaun.chemplavil@gmail.com Student ID: U08713628 Assignment 6, Exercise 1 Exercise point value: 4 Files submitted: C1A6E1 main.c C1A6E1_MyStrlen.c "Compile-time" results: No "compile-time" issues; "Run-time" results: Program ran - No errors detected during preliminary testing (SEE ATTACHMENT);

******* C1 ASSIGNMENT 6 EXERCISE 1 AUTOMATIC PROGRAM RUN RESULTS *******
******** THE RESULTS BELOW HAVE BEEN PARTIALLY CHECKED AND NO ERRORS WERE FOUND. HOWEVER, THIS DOES NOT NECESSARILY MEAN THAT THERE ARE NO ERRORS. THE INSTRUCTOR WILL DO A MORE THOROUGH CHECK DURING MANUAL GRADING. ***********************************
START OF 1ST RUN
Enter a string: a strlen("a") returned 1 MyStrlen("a") returned 1
END OF 1ST RUN
START OF 2ND RUN
Enter a string: HELLO strlen("HELLO") returned 5 MyStrlen("HELLO") returned 5
END OF 2ND RUN
START OF 3RD RUN
Enter a string: Programming is fun strlen("Programming is fun") returned 18 MyStrlen("Programming is fun") returned 18
END OF 3RD RUN
START OF 4TH RUN
<pre>Enter a string: strlen("") returned 0 MyStrlen("") returned 0</pre>
END OF 4TH RUN
START OF 5TH RUN
<pre>Enter a string: &=#~! strlen("&=#~!") returned 5 MyStrlen("&=#~!") returned 5</pre>
END OF 5TH RUN
START OF 6TH RUN
Enter a string: aaaaaaaaaaaaaa strlen("aaaaaaaaaaaaaa") returned 15 MyStrlen("aaaaaaaaaaaaaaa") returned 15
END OF 6TH RUN
START OF 7TH RUN
Enter a string: The cat in the fiddle. The cow jumped over the moon.

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From: Shaun Chemplavil <mailto:shaun.chemplavil@gmail.com>
Subject: C1A6E2_U08713628
Submitted: 5/8/2020 8:36:17 AM PDT
Course: C/C++ Programming I (Section 146359)
Student's name: Shaun Chemplavil
Contact email: shaun.chemplavil@gmail.com
Student ID: U08713628
Assignment 6, Exercise 2
Exercise point value: 4
Files submitted:
 C1A6E2_MyStrcmp.c
 C1A6E2_main.c

"Compile-time" results:
 No "compile-time" issues;
"Run-time" results:

Program ran - No errors detected during preliminary testing (SEE ATTACHMENT);

******* C1 ASSIGNMENT 6 EXERCISE 2 AUTOMATIC PROGRAM RUN RESULTS *******
******** THE RESULTS BELOW HAVE BEEN PARTIALLY CHECKED AND NO ERRORS WERE FOUND. HOWEVER, THIS DOES NOT NECESSARILY MEAN THAT THERE ARE NO ERRORS. THE INSTRUCTOR WILL DO A MORE THOROUGH CHECK DURING MANUAL GRADING. ***********************************
START OF 1ST RUN
<pre>Enter first string: a Enter second string: B strcmp("a","B") returned 1 MyStrcmp("a","B") returned 31</pre>
END OF 1ST RUN
START OF 2ND RUN
<pre>Enter first string: HE Enter second string: HELLO strcmp("HE","HELLO") returned -1 MyStrcmp("HE","HELLO") returned -76</pre>
END OF 2ND RUN
START OF 3RD RUN
<pre>Enter first string: HE Enter second string: EHLLO strcmp("HE","EHLLO") returned 1 MyStrcmp("HE","EHLLO") returned 3</pre>
END OF 3RD RUN
START OF 4TH RUN
<pre>Enter first string: &=# Enter second string: ~! strcmp("&=#","~!") returned -1 MyStrcmp("&=#","~!") returned -88</pre>
END OF 4TH RUN
START OF 5TH RUN
<pre>Enter first string: Enter second string: strcmp("","") returned 0 MyStrcmp("","") returned 0</pre>
END OF 5TH RUN
START OF 6TH RUN
<pre>Enter first string: @ Enter second string: @ strcmp("@","@") returned 0 MyStrcmp("@","@") returned 0</pre>

END OF 6TH RUN
START OF 7TH RUN
Enter first string: aaaaaaaaaaaaaa Enter second string: z strcmp("aaaaaaaaaaaaaaaa","z") returned -1 MyStrcmp("aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
END OF 7TH RUN
START OF 8TH RUN
Enter first string: The cat Enter second string: in the fiddle strcmp("The cat","in the fiddle") returned -1 MyStrcmp("The cat","in the fiddle") returned -21

THIS WAS SENT FROM A NOTIFICATION-ONLY ADDRESS THAT CANNOT ACCEPT INCOMING MAIL. For help please contact the instructor at the email address provided on the "Announcements" page of the course website. The assignment checker DOES NOT GRADE your submissions but merely reports on issues so you can correct them and resubmit, thereby avoiding unnecessary credit loss. ALL GRADING IS DONE MANUALLY BY THE INSTRUCTOR after the assignment deadline based solely upon the NEWEST submission of each exercise. BE WARY of correcting minor issues after the deadline because a late deduction will usually be much greater than a minor issue deduction.

From: Shaun Chemplavil <mailto:shaun.chemplavil@gmail.com> Subject: C1A6E3 U08713628 Submitted: 5/8/2020 8:36:39 AM PDT Course: C/C++ Programming I (Section 146359) Student's name: Shaun Chemplavil Contact email: shaun.chemplavil@gmail.com Student ID: U08713628 Assignment 6, Exercise 3 Exercise point value: 6 Files submitted: C1A6E3 main.c C1A6E3_GetSubstring.c "Compile-time" results: No "compile-time" issues; "Run-time" results: Program ran - No errors detected during preliminary testing (SEE ATTACHMENT);

```
Graded C1A6 report for Shaun Chemplavil (U08713628)
                                 C/C++ Programming I (Section 146359)
                                                                                          80 [
     //
 1
     // Shaun Chemplavil U08713628
     // shaun.chemplavil@gmail.com
 3
 4
    // C / C++ Programming I : Fundamental Programming Concepts
     // 146359 Raymond L. Mitchell Jr.
 5
     // 05 / 08 / 2020
 6
 7
     // C1A6E3_GetSubstring.c
 8
     // Win10
 9
     // Visual C++ 19.0
10
     // This function extracts a string of characters via a user defined start index
11
12
     //
         and character count
13
     //
                                    This makes no sense. Why would you define a macro for this
14
                                    character then not use it everywhere you needed that character?
15
     #define NULL CHAR
16
     char *GetSubstring(const char source[], int start, int count, char result[])
17
18
     {
19
        //retain original result address
20
        char *result_copy = result;
21
        // Increment source pointer until we hit start offset (or null character)
22
23
        while (start-- > 0 && (*source != ('\0')))
24
25
           source++;
26
        }
27
28
        // copy source array count indicies to result (or until null character)
29
        while ((count-- > 0) && (*source != ('\0'/))
30
        {
31
            *result++ = *source++;
32
        }
33
34
        // Append Null Character to result
35
        *result++ = NULL_CHAR;
36
37
        return(result_copy);
38
```

******* C1 ASSIGNMENT 6 EXERCISE 3 AUTOMATIC PROGRAM RUN RESULTS *******
******** THE RESULTS BELOW HAVE BEEN PARTIALLY CHECKED AND NO ERRORS WERE FOUND. HOWEVER, THIS DOES NOT NECESSARILY MEAN THAT THERE ARE NO ERRORS. THE INSTRUCTOR WILL DO A MORE THOROUGH CHECK DURING MANUAL GRADING. ***********************************
START OF 1ST RUN
Enter a sequence of 0 or more arbitrary printable characters: This is really fun Enter a space-separated start index and character count: 2 25 "This is really fun", 2, 25, extracts "is is really fun"
END OF 1ST RUN
START OF 2ND RUN
Enter a sequence of 0 or more arbitrary printable characters: This is really fun Enter a space-separated start index and character count: 27 9 "This is really fun", 27, 9, extracts ""
END OF 2ND RUN
START OF 3RD RUN
Enter a sequence of 0 or more arbitrary printable characters: This is really fun Enter a space-separated start index and character count: 0 12 "This is really fun", 0, 12, extracts "This is real"
END OF 3RD RUN
START OF 4TH RUN
Enter a sequence of 0 or more arbitrary printable characters: one two three Enter a space-separated start index and character count: 5 35 "one two three", 5, 35, extracts "wo three"
END OF 4TH RUN
START OF 5TH RUN
Enter a sequence of 0 or more arbitrary printable characters: one two three Enter a space-separated start index and character count: 18 7 "one two three", 18, 7, extracts ""
END OF 5TH RUN
START OF 6TH RUN
Enter a sequence of 0 or more arbitrary printable characters: one two three Enter a space-separated start index and character count: 6 5 "one two three", 6, 5, extracts "o thr"
END OF 6TH RUN
START OF 7TH RUN
Enter a sequence of 0 or more arbitrary printable characters: one two three

Enter a space-separated start index and character count: 0 3 "one two three", 0, 3, extracts "one"
END OF 7TH RUN
START OF 8TH RUN
Enter a sequence of 0 or more arbitrary printable characters: Enter a space-separated start index and character count: 3 18 "", 3, 18, extracts ""
END OF 8TH RUN