#### Consolidated Assignment 6 Report

This report contains the graded results for the newest of each exercise submitted to the assignment checker prior to 2/23/2022 12:05:59 AM PST.

Student Name: Phillip Ward Student ID: U09339367

Contact email: phillip.ward@seagate.com
C/C++ Programming I (Section 162461)

#### Submitted:

Exercise 0: 2/20/2022 5:20:08 PM PST Exercise 1: 2/14/2022 12:22:35 PM PST Exercise 2: 2/16/2022 7:44:25 AM PST Exercise 3: 2/20/2022 6:51:57 PM PST

Score (out of 20 possible): \_\_\_\_14\_\_\_

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From: Phillip Ward <mailto:phillip.ward@seagate.com>

Subject: C1A6E0\_162461\_U09339367 Submitted: 2/20/2022 5:20:08 PM PST

Course: C/C++ Programming I (Section 162461)

Student's name: Phillip Ward

Contact email: phillip.ward@seagate.com

Student ID: U09339367

Assignment 6, Exercise 0 (002529261M01005X64529)

Exercise point value: 6

File submitted:
 C1A6E0\_Quiz.txt

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

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. NO CREDIT will be given for anything submitted after the deadline.

# -6

Phillip Ward U09339367 Phillip.Ward@seagate.com C/C++ Programming I 162461 Ray Mitchell 02/20/2022 C1A6E0\_Quiz.txt Quiz Answers

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

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From: Phillip Ward <mailto:phillip.ward@seagate.com> Subject: C1A6E1 162461 U09339367 Submitted: 2/14/2022 12:22:35 PM PST Course: C/C++ Programming I (Section 162461) Student's name: Phillip Ward Contact email: phillip.ward@seagate.com Student ID: U09339367 Assignment 6, Exercise 1 (001425723M01005X3425) Exercise point value: 4 Files submitted: C1A6E1 main.c C1A6E1\_MyStrlen.c "Static analysis" results: No "static" issues; "Runtime" 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
<pre>Input a string: a strlen("a") returned 1 MyStrlen("a") returned 1</pre>
END OF 1ST RUN
START OF 2ND RUN
<pre>Input a string: HELLO strlen("HELLO") returned 5 MyStrlen("HELLO") returned 5</pre>
END OF 2ND RUN
START OF 3RD RUN
<pre>Input a string: Programming is fun strlen("Programming is fun") returned 18 MyStrlen("Programming is fun") returned 18</pre>
END OF 3RD RUN
START OF 4TH RUN
<pre>Input a string: strlen("") returned 0 MyStrlen("") returned 0</pre>
END OF 4TH RUN
START OF 5TH RUN
<pre>Input a string: &amp;=#~! strlen("&amp;=#~!") returned 5 MyStrlen("&amp;=#~!") returned 5</pre>
END OF 5TH RUN
START OF 6TH RUN
Input a string: aaaaaaaaaaaaa strlen("aaaaaaaaaaaaa") returned 15 MyStrlen("aaaaaaaaaaaaa") returned 15
END OF 6TH RUN
START OF 7TH RUN
Input a string: The cat in the fiddle, The cow jumped over the moon.

strlen("The cat in the fiddle, The cow jumped over the moon.") returned 52	
MyStrlen("The cat in the fiddle, The cow jumped over the moon.") returned 5	52
END OF 7TH RUN	

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From: Phillip Ward <mailto:phillip.ward@seagate.com>
Subject: C1A6E2\_162461\_U09339367
Submitted: 2/16/2022 7:44:25 AM PST
Course: C/C++ Programming I (Section 162461)
Student's name: Phillip Ward
Contact email: phillip.ward@seagate.com
Student ID: U09339367
Assignment 6, Exercise 2 (001610979M01005X76610)
Exercise point value: 4
Files submitted:
 C1A6E2\_main.c
 C1A6E2\_main.c
 C1A6E2\_MyStrcmp.c

"Static analysis" results:
 No "static" issues;
"Runtime" 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>Input a string: a Input another string: B strcmp("a", "B") returned 1 MyStrcmp("a", "B") returned 31</pre>
END OF 1ST RUN
START OF 2ND RUN
<pre>Input a string: HE Input another string: HELLO strcmp("HE", "HELLO") returned -1 MyStrcmp("HE", "HELLO") returned -76</pre>
END OF 2ND RUN
START OF 3RD RUN
<pre>Input a string: HE Input another string: EHLLO strcmp("HE", "EHLLO") returned 1 MyStrcmp("HE", "EHLLO") returned 3</pre>
END OF 3RD RUN
START OF 4TH RUN
<pre>Input a string: &amp;=# Input another string: ~! strcmp("&amp;=#", "~!") returned -1 MyStrcmp("&amp;=#", "~!") returned -88</pre>
END OF 4TH RUN
START OF 5TH RUN
<pre>Input a string: Input another string: strcmp("", "") returned 0 MyStrcmp("", "") returned 0</pre>
END OF 5TH RUN
START OF 6TH RUN
<pre>Input a string: @ Input another string: @ strcmp("@", "@") returned 0 MyStrcmp("@", "@") returned 0</pre>

END OF 6TH RUN
START OF 7TH RUN
Input a string: aaaaaaaaaaaaaa Input another string: z strcmp("aaaaaaaaaaaaaaaaaa", "z") returned -1 MyStrcmp("aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
END OF 7TH RUN
START OF 8TH RUN
Input a string: The cat Input another string: in the fiddle strcmp("The cat", "in the fiddle") returned -1 MyStrcmp("The cat", "in the fiddle") returned -21
END OF 8TH RUN

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From: Phillip Ward <mailto:phillip.ward@seagate.com>
Subject: C1A6E3\_162461\_U09339367
Submitted: 2/20/2022 6:51:57 PM PST
Course: C/C++ Programming I (Section 162461)
Student's name: Phillip Ward
Contact email: phillip.ward@seagate.com
Student ID: U09339367
Assignment 6, Exercise 3 (00157933M01005X44057)
Exercise point value: 6
Files submitted:
 C1A6E3\_GetSubstring.c
 C1A6E3\_main.c

"Static analysis" results:
 No "static" issues;
"Runtime" results:

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

```
Graded C1A6 report for Phillip Ward (U09339367)
                                C/C++ Programming I (Section 162461)
                                                                                         80 :
    //
 1
    // Phillip Ward U09339367
 3
     // Phillip.Ward@seagate.com
    // C/C++ Programming I
 5
    // 162461 Ray Mitchell
 6
    // 02/20/2022
 7
     // C1A6E3_main.c
 8
    // Win10
 9
    // g++ 11.2.0
10
     -//
     // A program that gets a substring from an input string
11
12
    -//
13
     #include <stdio.h>
14
     #include <string.h>
15
     #define BUF_SIZE 256
16
17
     char *GetSubstring(const char source[], int start, int count, char result[]);
18
19
     int main(void) {
20
         char source[BUF_SIZE], result[BUF_SIZE];
21
         int start, count;
22
23
         printf("Input a string: ");
24
         fgets(source, BUF_SIZE, stdin);
         printf("Input the index of the starting character "
25
26
                  'and the number of characters to capture:");
27
         scanf("%i %i", &start, &count);
28
         //replace newlines with null terminators
29
         source[strcspn(source, "\n")] = '\0';
30
         //compute and print results
         printf("\"%s\", %i, %i, extracts \"%s\"\n", source, start, count,
31
32
              GetSubstring(source, start, count, result));
33
         return(∅);
34
     }
```

******* 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  **********  *********  *********  ****
START OF 1ST RUN
<pre>Input a string: This is really fun Input the index of the starting character and the number of characters to capture:2 25 "This is really fun", 2, 25, extracts "is is really fun"</pre>
END OF 1ST RUN
START OF 2ND RUN
<pre>Input a string: This is really fun Input the index of the starting character and the number of characters to capture:27 9 "This is really fun", 27, 9, extracts ""</pre>
END OF 2ND RUN
START OF 3RD RUN
<pre>Input a string: This is really fun Input the index of the starting character and the number of characters to capture:0 12 "This is really fun", 0, 12, extracts "This is real"</pre>
END OF 3RD RUN
START OF 4TH RUN
Input a string: one two three Input the index of the starting character and the number of characters to capture:5 350 "one two three", 5, 350, extracts "wo three"
END OF 4TH RUN
START OF 5TH RUN
<pre>Input a string: one two three Input the index of the starting character and the number of characters to capture:18 7 "one two three", 18, 7, extracts ""</pre>
END OF 5TH RUN
START OF 6TH RUN
<pre>Input a string: one two three Input the index of the starting character and the number of characters to capture:6 5 "one two three", 6, 5, extracts "o thr"</pre>
END OF 6TH RUN
START OF 7TH RUN
Input a string: one two three

Input the index of the starting character and the number of characters to capture:0 3 one two three", 0, 3, extracts "one"
END OF 7TH RUN
START OF 8TH RUN
Input a string: Input the index of the starting character and the number of characters to capture:3 18 "", 3, 18, extracts ""
END OF 8TH RUN