Consolidated Assignment 3 Report

This report contains the graded results for the newest of each exercise submitted to the assignment checker prior to 7/29/2020 5:10:17 PM PDT.

Student Name: Shaun Chemplavil

Student ID: U08713628

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

C/C++ Programming II (Section 149123)

Submitted:

A "for" statement (note 3.5) is typically the most appropriate choice whenever an object/variable meets at least two of the

Exercise 1: 7/25/2020 9:25:57 AM PDT following criteria:

Exercise 2: 7/24/2020 3:52:16 PM PDT 1. It can be initialized in the loop's "initial expression";

Exercise 3: 7/23/2020 7:44:16 AM PDT Exercise 4: 7/27/2020 3:57:44 PM PDT 2. It is tested before entering the body of the loop;

3. It is updated after each execution of the loop body.

Score (out of 20 possible): ____19.4_

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

Subject: C2A3E1_U08713628

Submitted: 7/25/2020 9:25:57 AM PDT

Course: C/C++ Programming II (Section 149123)

Student's name: Shaun Chemplavil

Contact email: shaun.chemplavil@gmail.com

Student ID: U08713628

Assignment 3, Exercise 1 (C2_005306999M02005X80306)

Exercise point value: 2

File submitted:

C2A3E1 Sentences.txt

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.

Shaun Chemplavil U08713628
shaun.chemplavil@gmail.com
C/C++ Programming II: Dynamic Memory and File I/O Concepts
149123 Raymond L. Mitchell, Jr., M.S.
07/25/2020
C2A3E1_Sentences.txt
Answers to Exercise testing Right-Left Rule and Decayed Right-Left Rule

- 1) fish decays to a pointer to a double
- 2) fish decays to a pointer to a double
- 3) fish decays to a pointer to a double
- 4) fish is an array of 57 doubles
- 5) fish is a double
- 6) fish is an array of 57 doubles
- 7) fish is an array of 57 doubles
- 8) fish is a double
- 9) fish is a double
- 10) fish decays to a pointer to a double

-0.6

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From: Shaun Chemplavil <mailto:shaun.chemplavil@gmail.com> Subject: C2A3E2 U08713628 Submitted: 7/24/2020 3:52:16 PM PDT Course: C/C++ Programming II (Section 149123) Student's name: Shaun Chemplavil Contact email: shaun.chemplavil@gmail.com Student ID: U08713628 Assignment 3, Exercise 2 (C2_005477401M02005X2477) Exercise point value: 4 Files submitted: C2A3E2 main-Driver.cpp C2A3E2_TestDeclarations.cpp "Compile-time" results: No "compile-time" issues; "Run-time" results: Program ran - No errors detected during preliminary testing (SEE ATTACHMENT);

***** C2	ASSIGNMENT 3 EXERCISE 2 AUTOMATIC PROGRAM RUN RESU	JLTS ********
******	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 RUN		
Assignment 3 Exercise 2 Complete!		
	END OF RUN	

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From: Shaun Chemplavil <mailto:shaun.chemplavil@gmail.com> Subject: C2A3E3 U08713628 Submitted: 7/23/2020 7:44:16 AM PDT Course: C/C++ Programming II (Section 149123) Student's name: Shaun Chemplavil Contact email: shaun.chemplavil@gmail.com Student ID: U08713628 Assignment 3, Exercise 3 (C2_001241579M02005X54241) Exercise point value: 6 Files submitted: C2A3E3 RecordOpinions.c C2A3E3_main-Driver.c "Compile-time" results: No "compile-time" issues; "Run-time" results: Program ran - No errors detected during preliminary testing (SEE ATTACHMENT);

```
******* C2 ASSIGNMENT 3 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.
ENDPOINT = 2 & TERMINATE = -100
Enter your rating: (valid range -2 to 2, to end enter -100): -7
Rating out of range, Try again!
Enter your rating: (valid range -2 to 2, to end enter -100): 22
Rating out of range, Try again!
Enter your rating: (valid range -2 to 2, to end enter -100): 0
Enter your rating: (valid range -2 to 2, to end enter -100): 0
Enter your rating: (valid range -2 to 2, to end enter -100): 0
Enter your rating: (valid range -2 to 2, to end enter -100): 3
Rating out of range, Try again!
Enter your rating: (valid range -2 to 2, to end enter -100): 3
Rating out of range, Try again!
Enter your rating: (valid range -2 to 2, to end enter -100): 3
Rating out of range, Try again!
Enter your rating: (valid range -2 to 2, to end enter -100): 2
Enter your rating: (valid range -2 to 2, to end enter -100): -1
Enter your rating: (valid range -2 to 2, to end enter -100): -2
Enter your rating: (valid range -2 to 2, to end enter -100): -1
Enter your rating: (valid range -2 to 2, to end enter -100): 3
Rating out of range, Try again!
Enter your rating: (valid range -2 to 2, to end enter -100): -1
Enter your rating: (valid range -2 to 2, to end enter -100): -2
Enter your rating: (valid range -2 to 2, to end enter -100): -2
Enter your rating: (valid range -2 to 2, to end enter -100): -2
Enter your rating: (valid range -2 to 2, to end enter -100): -2
Enter your rating: (valid range -2 to 2, to end enter -100): 0
Enter your rating: (valid range -2 to 2, to end enter -100): -100
Rating Responses
----- ------
  -2
         5
         3
  -1
   0
          4
   1
          0
----- END OF 1ST RUN ------
 ----- CODE CHANGES FOR 2ND RUN ------
ENDPOINT = 0 & TERMINATE = 999
----- START OF 2ND RUN ------
Enter your rating: (valid range -0 to 0, to end enter 999): 1
Rating out of range, Try again!
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 2
Rating out of range, Try again!
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 0
```

```
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): -999
Rating out of range, Try again!
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 0
Enter your rating: (valid range -0 to 0, to end enter 999): 999
Rating Responses
-----
   0
          11
----- END OF 2ND RUN ---------
ENDPOINT = 5 & TERMINATE = 128
----- START OF 3RD RUN -------
Enter your rating: (valid range -5 to 5, to end enter 128): -5
Enter your rating: (valid range -5 to 5, to end enter 128): -20
Rating out of range, Try again!
Enter your rating: (valid range -5 to 5, to end enter 128): 60
Rating out of range, Try again!
Enter your rating: (valid range -5 to 5, to end enter 128): -5
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 5
Enter your rating: (valid range -5 to 5, to end enter 128): 0
Enter your rating: (valid range -5 to 5, to end enter 128): 0
Enter your rating: (valid range -5 to 5, to end enter 128): 1
Enter your rating: (valid range -5 to 5, to end enter 128): 1
Enter your rating: (valid range -5 to 5, to end enter 128): 3
Enter your rating: (valid range -5 to 5, to end enter 128): 3
Enter your rating: (valid range -5 to 5, to end enter 128): -3
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 5
Enter your rating: (valid range -5 to 5, to end enter 128): 2
Enter your rating: (valid range -5 to 5, to end enter 128): 2
Enter your rating: (valid range -5 to 5, to end enter 128): -2
Enter your rating: (valid range -5 to 5, to end enter 128): -2
Enter your rating: (valid range -5 to 5, to end enter 128): -4
Enter your rating: (valid range -5 to 5, to end enter 128): 0
Enter your rating: (valid range -5 to 5, to end enter 128): 0
Enter your rating: (valid range -5 to 5, to end enter 128): 5
Enter your rating: (valid range -5 to 5, to end enter 128): -2
Enter your rating: (valid range -5 to 5, to end enter 128): -1
Enter your rating: (valid range -5 to 5, to end enter 128): -1
Enter your rating: (valid range -5 to 5, to end enter 128): -1
Enter your rating: (valid range -5 to 5, to end enter 128): 3
Enter your rating: (valid range -5 to 5, to end enter 128): 2
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 5
Enter your rating: (valid range -5 to 5, to end enter 128): 7
Rating out of range, Try again!
Enter your rating: (valid range -5 to 5, to end enter 128): 2
Enter your rating: (valid range -5 to 5, to end enter 128): 3
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 4
```

```
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): 4
Enter your rating: (valid range -5 to 5, to end enter 128): -6
Rating out of range, Try again!
Enter your rating: (valid range -5 to 5, to end enter 128): 1
Enter your rating: (valid range -5 to 5, to end enter 128): 2
Enter your rating: (valid range -5 to 5, to end enter 128): 128
Rating Responses
-----
  -5
        2
          1
  -4
  -3
          1
  -2
         3
4
   -1
   0
   1
          3
          5
   2
   3
          4
   4
         10
   5
          4
```

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```
From: Shaun Chemplavil <mailto:shaun.chemplavil@gmail.com>
  Subject: C2A3E4 U08713628
  Submitted: 7/27/2020 3:57:44 PM PDT
  Course: C/C++ Programming II (Section 149123)
  Student's name: Shaun Chemplavil
  Contact email: shaun.chemplavil@gmail.com
  Student ID: U08713628
  Assignment 3, Exercise 4 (C2_001880221M02005X40880)
  Exercise point value: 8
  Files submitted:
     C2A3E4 main-Driver.c
     C2A3E4_ParseStringFields.c
     C2A3E4_OpenFile.c
"Compile-time" results:
  No "compile-time" issues;
"Run-time" results:
  Program ran - No errors detected during preliminary testing (SEE ATTACHMENT);
```

```
Graded C2A3 report for Shaun Chemplavil (U08713628)
                                 C/C++ Programming II (Section 149123)
                                                                                            80 '
    //
 1
     // Shaun Chemplavil U08713628
 3
     // shaun.chemplavil@gmail.com
    // C / C++ Programming II : Dynamic Memory and File I / O Concepts
 5
    // 149123 Raymond L.Mitchell, Jr., M.S.
 6
     // 07 / 27 / 2020
7
     // C2A3E4_ParseStringFields.c
 8
     // Win10
 9
    // Visual C++ 19.0
     -//
10
     // File contains ParseStringFields function, parses and displays the contents
11
12
     // of the file pointer passed to it
13
     //
14
                                             A "for" statement (note 3.5) is typically the most
15
     #include <stdio.h>
                                             appropriate choice whenever an object/variable meets at
16
     #include <stdlib.h>
17
     #include <string.h>
                                             least two of the following criteria:
18
     #include <ctype.h>
                                               1. It can be initialized in the loop's "initial expression";
19
                                               2. It is tested before entering the body of the loop;
20
     #define BUFSIZE 256
21
                                               3. It is updated after each execution of the loop body.
22
     void ParseStringFields(FILE *fp)
23
     {
        char buf[BUFSIZE];
24
25
26
        // place current line into buf
27
        while (fgets(buf, (int)sizeof(buf), fp))
28
29
            // search for delimiters
            for (char *cp = buf; cp = strtok(cp, "AEIOUaeiou\t\n"); cp = NULL)
30
31
32
              int whiteSpaceIdx = 0;
33
34
               // find index in cp of first non whitespace character
35
               while (isspace(cp[whiteSpaceIdx]);
36
                  whiteSpaceIdx++;
37
               // display line from buffer (excluding leading whitespace)
38
               printf("%s\n", cp + whiteSpaceIdx);
39
            }
40
41
42
            // break loop if End of File reached
                                                       Unnecessary code
43
            if (feof(fp))
44
               break;
45
        }
46
```

```
****** C2 ASSIGNMENT 3 EXERCISE 4 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.
     ----- PURPOSE OF 1ST RUN ------
Verify character parsing display.
Using input file "TestFile10.txt"
R
C_N
; ++
/* 1
p thr
gh
nn
d
d r
C
rds L
P */
f (fsc?
nf(fp, "%*[^\n]%*c") ==
{ /* s
d & thr
y */
Verify character parsing display.
Using input file "TestFile12.txt"
----- START OF 2ND RUN -------
R / sc
nf[.]/ pr
ntf
/;}? c
n ?.!c
 ?,;:=+ + C++
```

n

<pre>,#! t xt f 1 !/: by :/\ \</pre>
END OF 2ND RUN
Verify that program detects an input file open failure.
Using input file "bad//file//a" START OF 3RD RUN
bad//file//a failed to open
END OF 3RD RUN
CODE CHANGES FOR 4TH RUN
Using input file "bad//file//b"
bad//file//b failed to open
END OF 4TH RUN