

CSCI122 C++ PROGRAMMING II

Chapter 15 Assignment Directions

Due: the date and time are listed under the Chapter Assignments link in Blackboard

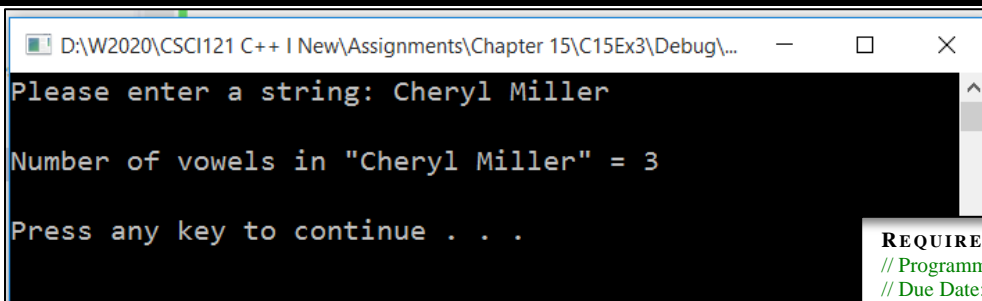
ASSIGNMENT	PAGE(S)	SPECIAL NOTES / INFORMATION
Read Chapter 15	1051-1075	Textbook: <ul style="list-style-type: none"> Please read the chapter
View the Chapter Resources		Blackboard: <ul style="list-style-type: none"> Chapter 15 (link) Chapter Resource Information (link)
Programming Exercise 3: Vowel Program Important Note: <i>follow the book directions <u>exactly</u> along with coding the output to look like the print screens (page 2) to receive full credit</i>	1080	Blackboard & Textbook: <ul style="list-style-type: none"> Chapter 15 (link) Assignment & Quiz Information (link) C15Ex3: Vowel Program Upload (link)
Quiz		Blackboard: <ul style="list-style-type: none"> Chapter 15 (link) Assignment & Quiz Information (link) Chapter 15 Practice Quiz (link) <i>optional</i> Chapter 15 Quiz (link)

Recursion Code Example

```
RecursiveChange(money, coins)

if money = 0:
    return 0
MinNumCoins ← ∞
for i from 1 to |coins|:
    if money ≥ coini:
        NumCoins ← RecursiveChange(money - coini, coins)
        if NumCoins + 1 < MinNumCoins:
            MinNumCoins ← NumCoins + 1
return MinNumCoins
```

PROGRAMMING EXERCISE 3 OUTPUT:



```
D:\W2020\CSCI121 C++ I New\Assignments\Chapter 15\C15Ex3\Debug\...
Please enter a string: Cheryl Miller

Number of vowels in "Cheryl Miller" = 3

Press any key to continue . . .
```

REQUIRED DOCUMENTATION:

// Programmer:	Your full name
// Due Date:	Date the program is due
// Assignment:	Chapter 15, Exercise 3, Page 1080
// Description:	Brief description of the program

Instructor: Cheryl Miller