

Unit 1 Lab 6 - String Concatenation continued

- 6) a) Immediately after the + press <Enter> so that "How are you today?"); is on the next line then Run the program
b) Write the exact output below

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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- 7) a) Immediately after the word HOW press <Enter> so that are you today?"); is on the next line then Run the program
b) Write what happened

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- 8) a) Undo steps 6 and 5 so that there is just one print line and rewrite it as:
c.print ("Hello!" + " How are you today?" + "Bye");
(Note where the blank spaces are.)
b) Fix the above line so that there is one blank space between the ? and the word Bye
c) Write the new fixed print line below (Run it on the computer to check your answer.)

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- d) Fix the line in 8)a) above a different way so that there is still one blank space between the ? and the word Bye and then write the new fixed print line below
(Run it on the computer to check your answer.)

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- 9) a) Delete one of the quote marks then Run the program
b) Write what happened

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- 10) a) Put the quote mark back in and then Run the program to check that there is no error
b) Delete one of the + signs then Run the program
c) Write what happened

Summary

Blank spaces need to be inside of a pair of quotes to leave blanks spaces on the screen.

Characters between quote marks are called string literals. They are technically another type of object in Java. (Which means they can be associated with a string method.)

When you put a + sign between two strings in a print or println statement it joins them together by putting them right next to each other (with no spaces unless there are some between the quote marks). When strings are joined together like this it is called *string concatenation*. We will see more of this in an upcoming lab.

Turn in this sheet to be graded!

Unit 1 Lab 6 - String Concatenation

Name _____

class hour _____

Pts: 10

page 1 of 2

I. Literal Strings

- 0) a) If not logged on to computer go through the first 4 steps in I. from Lab 1
- b) Under File from the *Ready to Program* window select Open...
- c) Get to the G drive and select **P1ch1lab6.java** then *Save As* to the H drive
- 1) a) Run the program
- b) Write the exact output below

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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- 2) a) Immediately on either side of the + sign put a space then Run the program
- b) Write the exact output below

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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- 3) a) Immediately in front of both H's put a space then Run the program
- b) Write the exact output below

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- 4) a) Immediately after the ! put a space then Run the program
- b) Write the exact output below

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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- 5) a) rewrite the line `c.print (" Hello! " + " How are you today?");` as `c.print ("Hello!" + " " + "How are you today?");`
- b) Write the exact output below

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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