

Unit 3 Lab 2 - Console Input & Output

class hour _____

Name _____
Pts: 10

page 1 of 2

I. Console Input

1) a) Open **P1ch3lab2.java**

b) Complete the following:

The input method is c.read_____

c) Run the program typing in: dog cat<Enter>

(Note: type dog followed by cat with one space between them then press <Enter>.)

Did the output show the complete input? (Yes/No) _____

d) Can more than one word be input using readString() ? (Yes/No) _____

e) Run the program typing in: 5.7

f) Did the output show the complete input? (Yes/No) _____

g) Can a number be input using readString() ? (Yes/No) _____

h) Change the line c.print("Input was: " + c.readString()); to
c.print("Input was: " + c.readLine());

i) Run the program typing in: dog cat

j) Did the output show the complete input? (Yes/No) _____

k) Can more than one word be input using readLine() ? (Yes/No) _____

l) Run the program typing in: 5.7

m) Did the output show the complete input? (Yes/No) _____

n) Can a number be input using readLine() ? (Yes/No) _____

o) Change the line c.print("Input was: " + c.readLine()); to
c.print("Input was: " + c.readInt());

p) Run the program typing in: dog

q) Can a word be input using readInt() ? (Yes/No) _____

r) Run the program typing in: 5.7

s) Can a decimal number be input using readInt() ? (Yes/No) _____

t) Change the line c.print("Input was: " + c.readInt()); to
c.print("Input was: " + c.readDouble());

u) Run the program typing in: dog

v) Can a word be input using readDouble() ? (Yes/No) _____

w) Run the program typing in: 5

x) Can an integer number be input using readDouble() ? (Yes/No) _____

y) Change the line c.print("Input was: " + c.readDouble()); to
c.print("Input was: " + c.readChar());

z) Run the program typing in: dog

aa) Can a whole word be input using readChar() ? (Yes/No) _____

bb) Run the program typing in: 3

cc) Can an integer number be input using readChar() ? (Yes/No) _____

bb) Run the program typing in: 5.7

cc) Can a complete decimal number be input using readChar() ? (Yes/No) _____

Over

Unit 3 Lab 2 - Console Input & Output continued

II. Console Input using readChar()

- 1) a) Open **P1ch3lab2b.java**
- b) Complete the following: The input method is c.read_____
- c) Run the program typing in your initials one at a time followed by <Enter> after each letter.

Did the output show your initials all on one line? (Yes/No) _____

- d) Run the program typing in your initials one at a time followed by <Enter>
Did the output show your initials? (Yes/No) _____

- e) Change the line `c.print(first + middle + last);` to
`c.print(" " + first + middle + last);`

- f) Run the program typing in all of your initials one after another then press <Enter>
Did the output show your initials? (Yes/No) _____

- g) Run the program again typing in your initials one a time followed by <Enter>
after each letter.
Did the output show your initials all on one line? (Yes/No) _____

Summary: Read the middle of page 49 and the bottom of page 53.

III. Console Output using clear()

- 1) a) In the last program add the line `c.clear()`; before the line `c.print("Your initials are: ");`
- b) Run the program typing in your initials one at a time followed by <Enter>
- c) Explain what happened compared to step f without the line `c.clear()`;

Note: The `clear()` method can only be used with the Console Class

IV. Console Input

- 1) a) Open **P1ch3lab2c.java**
- b) Do arrow step 5 on page 46
- c) Do arrow step 6 and write the last 2 lines of output

- c) Do arrow step 8
- d) Do arrow step 9
- e) Do arrow step 10 and write the error message

- d) Do arrow step 11 and 12
- e) Show the code and output to your teacher

(teacher signature)

Turn in this sheet to be graded!