

# 7 G9 '% &&@!' @UV' &

## 8hfcXi Wjcb

In this lab, you will practice using selection statements (IF blocks and SWITCH statements) and repetition statements (WHILE, DO-WHILE, and FOR loops).

## FYei JfYa Ybhg

The features described below must be in your program:

- Your main method must implement the following menu options:
  1. 7ci bhZca `Ubi a VYf`lc`UbcH Yf  
Prompts the user for 2 numbers (start and end), both of which can be either positive or negative  
If the numbers are the same, print "Start and end are the same!"  
Otherwise, print the starting number, every number between the starting and the ending number, and the ending number, all in order from start to finish. Each number must be in its own line  
Once done, print "Done counting"
  2. 8 YHfa ]bY`Uf[ Yghibi a VYf:  
Prompts the user for numbers until the user enters 0  
If the number the user enters is larger than the current largest number, remember that number instead  
The initial "largest" number should be 0  
Once the user enters 0, print out "The largest number was X", with X being the largest number the user entered
  3. HndY]b`k cfX:  
Print "Type in the word 'Computer': "  
If the user types in "Computer", print "Correct!"  
Otherwise, keep prompting the user to type until they type in "Computer"
  4. Ei ]h Terminates the program

## 8 Y]j YfUV`Yg

- Lab2.java (driver)

## 7 cbg]XYfU]cbg

- While you will not lose points for which selection or repetition statements you decide to use throughout your program, choosing the correct one can help transmit your i: caT uá ect one can ct oro( r eT ord

## GUI d'YCi hdi hfl gYf 'jbdh h]b'fYXL

1. Count from a number to another
2. Determine largest number
3. Type in word
4. Quit

Enter option:

Enter the start point:

Enter the end point:

Counting from 5 to 5...

Start and end are the same!

Done counting.

1. Count from a number/ to another
2. Determine largest number
3. Type in word
4. Quit

Enter option:

Enter the start point: A

Enter the end point:

7

2. Determine

"

Enter the end point:  
Counting from 5 to -5...

5  
4  
3  
2  
1  
0  
-1  
-2  
-3  
-4  
-5

Done counting.

1. Count from a number to another
2. Determine largest number
3. Type in word
4. Quit

Enter option:

Type in the word 'Computer':  
Incorrect. You must type 'Computer':  
Incorrect. You must type 'Computer':  
Correct!

1. Count from a number to another
2. Determine largest number
3. Type in word
4. Quit

Enter option:

Type in the word 'Computer':  
Correct!

1. Count from a number to another
2. Determine largest number
3. Type in word
4. Quit

Enter option:

This option will display the largest number entered. Enter 0 when done.

Enter a number (current largest is 0):

Enter a number (current largest is 73):

Enter a number (current largest is 73):

Enter a number (current largest is 73):

Enter a number (current largest is 73):

Enter a number (current largest is 73):

Enter a number (current largest is 99):

Enter a number (current largest is 99):

The largest number entered was 99

1. Count from a number to another

2. Determine largest number

3. Type in word

4. Quit

Enter option:

This option will display the largest number entered. Enter 0 when done.

Enter a number (current largest is 0):

The largest number entered was 0

1. Count from a number to another

2. Determine largest number

3. Type in word

4. Quit

Enter option:

Shutting off...