# Show Your Code

11-3-2010

# Opening Discussion

- What did we do last class?

- Minute Essay comments

    - What exactly is a double?

    - Random numbers in the spreadsheet.

    - Things you could do with VBScript you can't do with normal Excel.

# Show Your Code

- Let's look at people's code to the various options.

# Loops: for vs. while

- Technically the for-loop and while loop can do the exact same things.

    - for(A; B; C) {

        - D

    - }

- Same as:

    - A

    - while(B) {

        - D

        - C

    - }

# Complex Spreadsheet Functions

- I have two examples that I want us to play with. Start with weather data.

  - Calculating the value of money spent on a large project in adjusted dollars.

  - Averages for specific situations. For example you want to know how the company performed in months when certain subunits performed above or below certain levels.

- We should step through how to solve each of these first. What would you need to do to solve either in Excel?

# More Files

- We can make our program a little more useful by improving file handling.

    - We already made it so that we can specify the file name I want to read.

    - I'd like to have the ability to write our table back out to a CSV file.

# Writing Files

- To write to a file we will use a java.io.PrintWriter. Like with the Scanner, we make a new PrintWriter and give it a File object. This time it is the file it should write to.

- We can then call print or println on the PrintWriter object.

- We should call the close() method when we are done.

# Minute Essay

- What do you find to be most challenging about the material we have covered so far in this class?  What things do you still get hung up on?