Brief Review of 1323

To Be Done this Week …

- Zyante: have access now
- Top Hat: have signed up
  - Make sure that your ID # is the same as what you have on your ID card
- Web-Cat: logged in and changed password

If you don't have these up, then I need to know about it

Lab 1: Thursday

- Attempt to install Java and Eclipse before lab, but we will reserve some lab time to help with this
- Assignment will be released sometime tonight
- Come to the lab session

Coming Soon…

Project group assignment

- Fill out the survey from Catme. Completion will count as one of your homework assignments. These data are only used for the pairing process
- I will allow pairing requests, but I must have a note in Catme from both sides of the pair

Canvas

- Receiving email …

more about this course…

Plan for Today

- Review 1323 by solving some problems
  - If you are not comfortable with the material in this review, consider taking 1323 instead
- The best way to do this is to write your own code while I talk about code and write it
  - Lab tomorrow will ensure everyone has Java and Eclipse running
- Remember there are lots of ways to solve some of these problems

Representation of Primitive Data

Top Hat

Input and Output

- Prompt a user for their favorite vacation place
- Read in the response from the keyboard
- Print out the response

Control Statements

- Write a few lines of code that sums the elements of an int array

Control Statements

Write a few lines of code that reverses an array of integers

Methods

Take the code for reversing an array and make it a method:

- Signature #1:

```
public static void reverse(int[] array)
```

- Signature #2:

```
public static int[] reverse(int[] array)
```

Lessons from the Lab …

Lessons from the Lab

- I still have work to do on the Web-Cat server
  - Now have another method for submitting code directly to the Web-Cat server (see our Web-Cat nots)
  - Will open the server up on Tuesday or Wednesday so you can do additional testing
- Specifications matter
- Precision matters

Representation of Data

- Create a String that contains “ABC123” three different ways

- Take the String above, and make it contain just “ABC”

Insertion Sort

- First implement:

```
public static int[] insert(int val, int[] list)
```

- Then implement:

```
public static int[] insertionSort(int[] list)
```

- Then implement a test in main()

Switch/Case Statements

(eclipse)

UML

- Unified modeling language
- Umlet
  - http://www.umlet.com/changes.htm

Objects

Implement this class: