Week 5 CS 302

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Program 2 - Eliza

● Implement provided **static** methods
  ○ If you create your own **static** methods, they must be declared **private**.

● Must use **parameters** for passing values.
  ○ Do Not use static variables.

● Working with a Partner is allowed
  ○ Must be completed in Forms by Thursday, Feb 18th.
Preparing for the Midterm

How to prepare?

● See example exam questions on Learn@UW, See topics on course website
● Read the chapters.
● Think “how would I explain this to someone?”
● Surface vs. Deep
Draw a Memory Diagram

String [ ] list = {“first”, ”middle”, ”two”, ”last”};
Write a Test Case

Move the first to the last and move others toward beginning.

String [ ] list = {"first","middle","two","last"};
moveFirstToLast( list);
String [ ] expect= {"middle","two","last", "first"};
Design and Implement an Algorithm

Move the first to the last and move others toward beginning.

String [] list = {"first","middle","two","last"};
Midterm Exam

- Locations set
  - See course website
- Those with Exam Conflicts notified via email of alternative arrangements.
int num = 5;
String str = "" + num + "7";
Write a Square Method

```java
int num = 4;
int square = square(num);
//square should equal 16
```
## Methods: What is printed out?

```java
public static void main(String[] args) {
    int num = 10;
    myPrint(num);
    System.out.println("in main:" + num);
}

public static int myPrint(int num) {
    num = num + 2;
    System.out.println("in myPrint:" + num);
    return num;
}
```
Which method is called?

```java
public static void print( double value) {
    System.out.print( "in print(double) " + value);
}

public static int print( int value) {
    System.out.print( "in print(int): " + value);
}

public static void main( String [] args) {
    print( 10);
    print( 10);
}
```