

COS126 First Programming Activity

- Pair Activity: Command-line arguments, Output
 - Driver:
 - Navigator:
- **Note:** you don't need to type this all in. *An HTML copy of the template is available on the Precepts page.* Similar links will be provided for exercises throughout the course. For reference, here is a copy of HelloWorld.java.

```
/*
 * Name:      Kevin Wayne
 * Login:     wayne
 * Precept:   P05
 *
 * By tradition, this is everyone's first program.
 */
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello, World");
    }
}
```

1. Modify HelloWorld.java to read in a *name* and an *age* from the command line (both handled as String arguments) and output: *name* is *age* years old.

```
/*
 * Name:
 * Login:
 * Precept:
 *
 * Inputs 2 command line arguments.  Outputs sentence using them.
 * Example of difference between print() and println().
 *
 * > java NameAge Alice 19
 * Alice is 19 years old.
 */
public class NameAge {
    public static void main(String[] args) {

    }
}
```

2. Now, modify NameAge.java to create NextYear.java. Use `Integer.parseInt()` to store age as an integer and output: Next year *name* will be *age+1* years old.

```

/*****
 *   Name:
 *   Login:
 *   Precept:
 *
 *   Inputs 2 command line arguments.
 *   Converts 2nd argument to an integer and adds one to it.
 *   Example of difference between + for concatenation and + for addition.
 *   Outputs sentence.
 *
 *   Compilation: javac NextYear.java
 *   Execution:   java NextYear name age
 *   Dependencies: none
 *
 *   > java NextYear Alice 19
 *   Next year Alice will be 20 years old.
 *
 *****/
public class NextYear {
    public static void main(String[] args) {

        }
    }
}

```

3. Recommended Book Exercises after you have installed java and DrJava: 1.1.1 thru 4.
4. Recommended Book Exercise after you have read thru page 22: 1.2.7.