TP03
Java Data Output

Remark

public so everyone can access it

this is a class (duh)

the name of this class

opening curly brace of the class

```
public class MyFirstApp {
```

(we'll cover this one later.)

the return type. void means there's no return value.

the name of this method

arguments to the method. This method must be given an array of Strings, and the array will be called 'args'

opening brace of the method

```
public static void main (String[] args) {
```

```
System.out.print ("I Rule!");
```

this says print to standard output (defaults to command-line)

the String you want to print

every statement MUST end in a semicolon!!

```
}
```
closing brace of the main method

```
}
```
closing brace of the MyFirstApp class
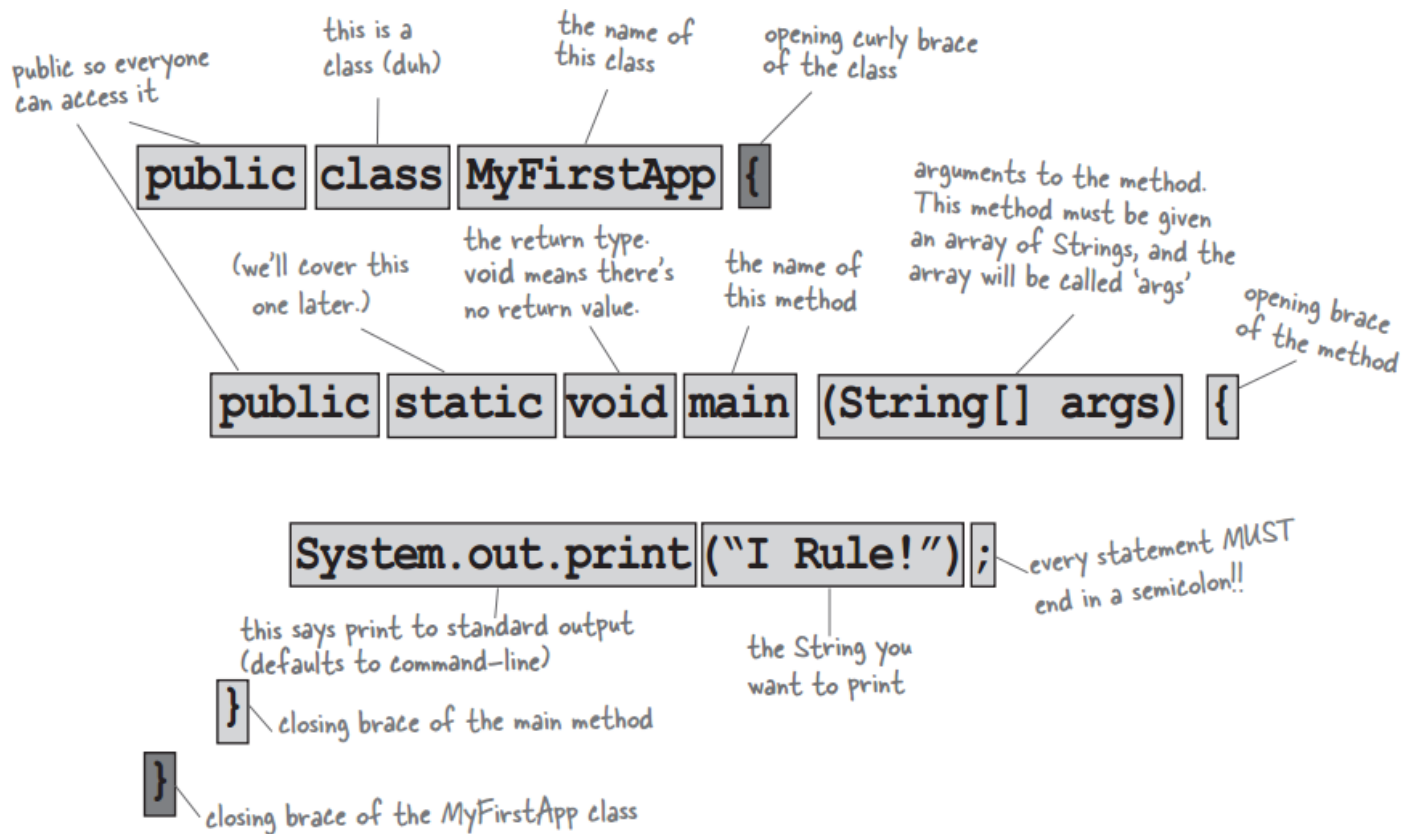
TP03.1. Hello One's Name

Implement an application Java that displays "Hello *<your_name>*!" where *<your_name>* represents your own name.
Example, in case your name is: Visal, then:

```
Hello Visal!
```

TP03.2. Display a Paragraph

Implement an application Java that displays the following paragraph:

```
\n                                              Line break.
\b                                   Erase one character.
\t                                             Tabulation.
\'                                           Single Quote.
\"                                           Double Quote.
\\                                               \ Sign.
\\\\                                            \\ Sign.
//                                           Line Comment.
/* ... */                                   Block Comment.
```

TP03.3. Asterisks

Write a program in Java to display shapes as below:

A.

```
* * * * * * * * * * * * * * * * * * * * * * * *
*                                             *
*                                             *
*                                             *
*                                             *
* * * * * * * * * * * * * * * * * * * * * * * *
```

E.

```
            *
          * * *
        * * * * *
          * * *
            *
```

B.

```
        *
       * * *
      * * * * *
     * * * * * * *
    * * * * * * * * *
```

F.

```
        *
       * * *
      * * * * *
       * * *
        *
```

C.

```
    *
   * * *
  * * * * *
 * * * * * * *
* * * * * * * * *
```

G.

```
  * * * * *
   * * *
    *
   * * *
  * * * * *
```

D.

```
        *
       * * *
      * * * * *
     * * * * * * *
    * * * * * * * * *
```

H.

```
        *
      *   *
    *       *
      *   *
        *
```

Notes:

1. In Java, there is a class name *String* that replace *char ** in C. Example: *"Hello, it is a String"*.

2. We can concatenate 2 or more Strings using operator + just like adding between 2 numbers.
   Example: *"Kingdom" + " of" + " Wonder!"*
   Example2:

```
String dice = "DICE students";
String action = "are so";
String adj = "so friendly!";


String sentence = dice + " " + action + " " + adj;
```

3. To display text on the console, we use:

```
System.out.print("String or Variable");
```

Or:

```
System.out.println("String or Variable");
```

Or:

```
System.out.printf("format ex: %s", "Hello");
```