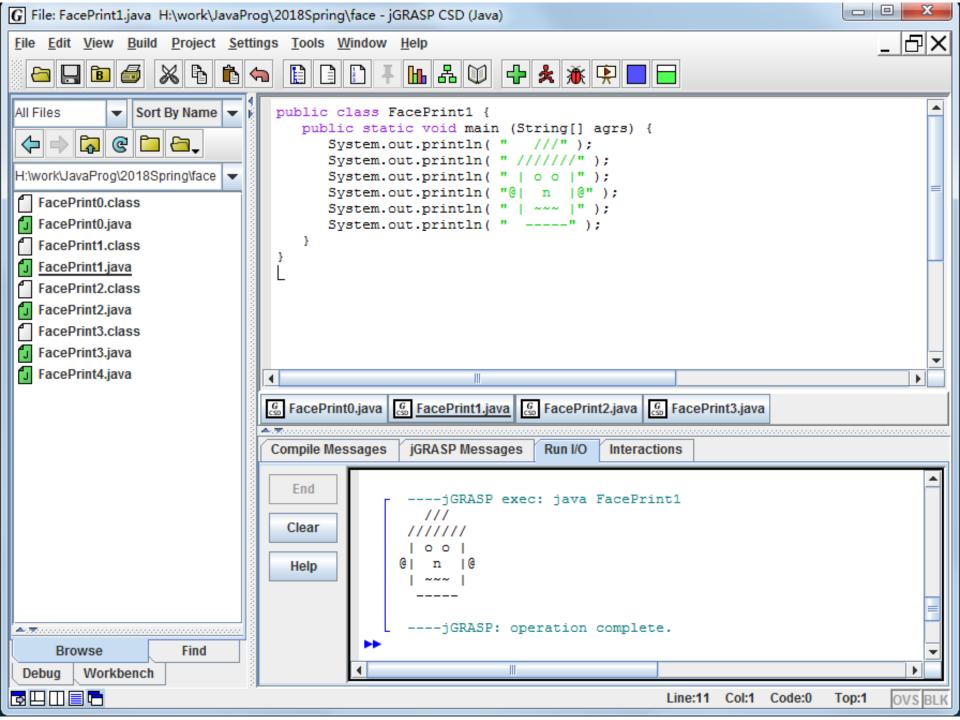
Program Elegantly PrintFace Example

Program Elegantly:

- ➤ Choose Appropriate Names, Formats & Styles
- ➤ Reveal Intentions and Computing Structures Visually
- ➤ Make Simple Things Simple
- ➤ Write Readable/Understandable Code

Look at a series of PrintFace Example Code:

Researches Showed that 2~4 blanks are best readable indentations!



Remove Duplications whenever possible.

```
1⊟ public class FacePrint2 {
      public static void main (String[] agrs) {
         System.out.print(
                ///\n" +
               ----\n"
10
          );
11
                        1⊟ public class FacePrint3 {
12
                              public static void main (String[] agrs) {
                                 String face =
                                        ///\n" +
                                    " ----\n";
                                 System.out.print( face );
                        10
```

Naming something by a variable helps understanding.

```
public class FacePrint4 {
   public static void main (String[] agrs) {
       String face = " ///n /////n | o o |\n@| n |@\n | ~~~ |\n -----\n";
       System.out.print( face );
   }
}
```

Programming for Humans First, Then for Compilers.

```
1 x = a+b*c+d;

2 3 x = a + b * c + d;

4 5 x = a + b*c + d;

6 7 x = a+b * c+d;

8
```

- > Crowded, Bad
- > Clear, Good
- > Creative, Best
- ➤ Confused, Worse

- ✓ Let the code speaks itself.
- ✓ The Layout Structure of code reveals the Motivations / Logic Structure / Meaning Group (代码布局结构揭示计算的意图/逻辑结构/意群结构)
- ✓ Help to understand and debug, 节省思维

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