Java Programming @ The department of Computer Science

UNIVERSITY OF LIVERPOOL

Giant Letters

Requirements

Design and implement a Java program that writes "JAVA" vertically down the screen using giant letters made up of strings of * characters and blank spaces as shown. (Do not use the "tab" character!)

Hint

Define a separate function for each letter. You will also need an application class.

Note

To output a string of * characters followed by a new line you can use:

```
System.out.print("*******\n")
```

(double quotes) or:

```
System.out.println("*******")
```

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

      *
    * *
  *   *
 *     *
* * * * * * * *
*           *

*           *
*           *
  *       *
    *   *
     * *
      *

      *
    * *
  *   *
 *     *
* * * * * * * *
*           *
```
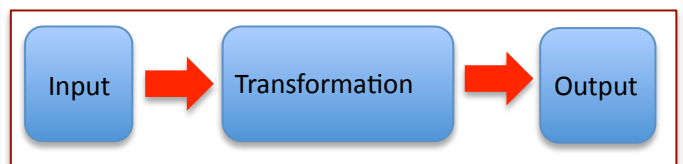
Note on layout

As far as the Java compiler is concerned layout in terms of new lines and spaces (with the exception of strings) does not matter provided that the source code is syntactically correct. However, from a software engineering perspective a well laid out program is much easier to read/understand than one that is not well laid out. It is therefore a good idea to write programs neatly using appropriate indenting, comments and "white space" so as to enhance understandability. *"If something looks good it probably is good!"*

Comment

Software programmes take "input" and transform it into "output".

In the case of our giant letters Java programme the input is simply an instruction to run the code. Clearly to do anything more meaningful we need more sophisticated input.