

CMPSC 100

Computational Expression

Java

Represents an object which is
screen output

Output has a characteristic
(it can be printed in lines)



```
System.out.println("Hello, class!");
```

Complete statement
("method" call)

```
/** Implements a Java "Hello, World!" program.
 *
 * @author Douglas Luman
 */
public class HelloWorld {

    /** Entry point.
     *
     * @param args The command line arguments
     */
    public static void main(String[] args) {
        // The following prints a single line to the screen
        System.out.println("Hello, World!");
    }
}
```

Classes
Methods
Statements

```
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public class HelloWorld {

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```
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7  public class HelloWorld {
8
9      /** Entry point.
10         *
11         * @param args The command line arguments
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13     public static void main(String[] args) {
14         // The following prints a single line to the screen
15         System.out.println("Hello, World!");
16     }
17 }
```

Atom with "Indent Guide"
turned on

Markdown

- A “convention” (agreed format)
- Emphasizes document structure using a “hierarchy”
 - Headings
 - Paragraphs
 - Lists
 - ...and more
- Interpreted by web browsers to display clear documents
 - Raw Markdown isn’t necessarily “pretty”
- We will use “GitHub Flavored Markdown” in this class (see pocket guides on your table)

```
* [Slack](https://cmpsc-100-6)
* [GitHub](https://www.github)
* git
* Markdown
* [Atom](https://atom.io)
* [Docker](https://www.docker)
* GatorGrader
* .....
* gradle
* .....
```

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* [Accepting the assignment]
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* [GatorGrader](#gatorgrader)
* .....
```

General guidelines for practical sessions

```
* Experiment! We design
stuff, I am sure that even if something breaks, we can fix it.
* Complete something. Grading for practical assignments hinges on completion. As long as you provide a
should reflect your effort.
```

- Slack
- GitHub
- git
- Markdown
- Atom
- Docker
- GatorGrader
- gradle

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- Evaluation
- Accepting the assignment
- The "Hello, World!"
- GatorGrader

General guidelines for practical sessions

- **Experiment!** We design practical sessions to create a space for you to *try things*. Given the expertise of our classroom TAs and my interest in fixing stuff, I am sure that even if something breaks, we can fix it.
- **Complete *something*.** Grading for practical assignments hinges on *completion*. As long as you provide a good faith effort to finish a task, your grade should reflect your effort.
- **Practice skills.** If you work in the discipline of computer science, many of the skills you revisit or establish here are

Activity

- In your terminal, `cd` to your class activities folder
 - Should be located in your `~/Desktop/CMPSC100` folder
 - Type `ls` to see your copy and `cd` into it
- Go to the `#class-activities` channel in our course Slack.
 - Copy and paste the command from the channel into your terminal.
 - Perform the following command:
`git pull download master`

Activity

- Your Markdown the `writing/activity.md` file should contain at least one of each of the following:
 - 5 headings of “descending hierarchy”
 - 1 paragraph
 - At least one word or phrase in **bold** type
 - At least one word or phrase in *italic* type
 - 1 list
 - 1 “fenced” code block using Java formatting
 - Use a line of Java that you already know (`print`, `println`)
 - 1 image
 - URL provided in Slack channel
 - 1 link
 - URL provided in Slack channel