



# Programming Language

# Programming Language

Covers all languages that contain *logic* to control whatever you want to do with a computer

```
1 // class declaration
2 public class ProgrammingExample {
3
4     // method declaration
5     public void sayHello() {
6
7         // method output
8         System.out.println("Hello World!");
9     }
10 }
```

# ActionScript

- Primary used for Adobe Flash
- Development of websites



# JavaScript

- Loading new page content or submitting data to the server
- Animation of page elements, fading them in and out, resizing them, moving them, etc.
- Interactive content



```
1 <script language="JavaScript">
2 <!--
3   var nov = new Date();
4   var days = new Array(
5     'Sunday', 'Monday', 'Tuesday',
6     'Wednesday', 'Thursday', 'Friday', 'Saturday');
7   var months = new Array(
8     'January', 'February', 'March', 'April', 'May',
9     'June', 'July', 'August', 'September', 'October',
10    'November', 'December');
11  var date = ((nov.getDate() < 10) ? "0" : "") + nov.getDate();
12  function fourdigits(number) {
13    return (number < 1000) ? number + 1900 : number;}
14  today = days[nov.getDay()] + ", " +
15    months[nov.getMonth()] + " " +
16    date + ", " +
17    (fourdigits(nov.getYear()));
18  document.write(today);
19  //-->
20 </script>
```

# Languages

- C (Operation)
- C++ (Desktop Applications)
- Python (Backend Programming)
- Ruby (Backend Programming)
- PHP



# Programming for Web

- **HTML:** the main language use for creating web pages and information displayed in a web browser
- **CSS:** designed to enable the separation of document content from the presentation (i.e. layout, colors, and fonts)
- **jQuery:** Allows creation of powerful dynamic web page and web applications