



Faculty of engineering - Shoubra  
Benha University

## Research Article / Research Project / Literature Review

in fulfillment of the requirements of

Department	<b><u>Engineering mathematics and physics</u></b>
Division	<b><u>-----</u></b>
Academic Year	<b><u>2019-2020 preparatory</u></b>
Course name	<b>Computer</b>
Course code	<b><u>ECE001</u></b>

**Title: -**

**Programing languages**

By:

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Dr.shady elmashad	
Dr.abdelhamid attaby	



## **What are Computer Programming Languages?**

Computer programming languages allow us to give instructions in a language which the computer understands to a machine. Just as there are several languages based on humans, there is an variety of computer programming languages that programmers can use to communicate with a computer. The portion of the language that a computer can understand is called a “binary.” Translating programming language into binary is known as “compiling.” Each language, from C Language to Python, has its own distinct features, though many times there are commonalities between programming languages. These languages allow computers to quickly and efficiently process large and complex swaths of information. For example, if a person is given a list of randomized numbers ranging from one to ten thousand and is asked to place them in ascending order, chances are that it will take a sizable amount of time and include some errors.

Most programming languages consist of instructions for computers. There are programmable machines that use a set of specific instructions, rather than general programming languages. Early ones preceded the invention of the digital computer, the first probably being the automatic flute player described in the 9th century by the brothers Musa in Baghdad, during the Islamic Golden Age.



# Benha University

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### Academic year 2019-2020



## Source Code:

```
1 <html>
2 <head>
3   <title>css </title>
4   <style>p{color:}</style>
5 </head>
6 <body>
7   <h1>css </h1>
8   
9   <h2> what's css? </h2>
10  <ul>
11    <li>CSS stands for Cascading Style Sheets </li>
12    <li>CSS describes how HTML elements are to be displayed on screen, paper, or in other media </li>
13    <li>CSS saves a lot of work. It can control the layout of multiple web pages all at once </li>
14    <li>External stylesheets are stored in CSS files </li>
15  </ul>
16  <h1> why use css?</h2>
17  <p>CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes. </p>
18  <ol>
19    <li><a href="file:///D:/maysoon/home.html">home</a>
20    </li>
21    <li><a href="file:///D:/maysoon/researches/c++.html">c++</a> </li>
22    <li><a href="file:///D:/maysoon/researches/html.html">html</a> </li>
23    <li><a href="file:///D:/maysoon/researches/java.html">javascript</a> </li>
24  </ol>
25 </body>
26 </html>
```

```
2 <html>
3 <head>
4   <title> c++ </title>
5 <style>p{color:}</style>
6 </head>
7 <body>
8   <h1> c++ </h1>
9   
10  <p>C++ is a high-level programming language developed by Bjarne Stroustrup at Bell Labs. C++ adds object-oriented features to its predecessor, C. C++ is one of the most popular programming language for graphical applications, such as those that run in Windows and Macintosh environments.</p>
11  <h2> why use c++ </h2>
12  <p>C++ is one of the world's most popular programming languages.
13
14  C++ can be found in today's operating systems, Graphical User Interfaces, and embedded systems.
15
16  C++ is an object-oriented programming language which gives a clear structure to programs and allows code to be reused, lowering development costs.
17
18  C++ is portable and can be used to develop applications that can be adapted to multiple platforms.
19
20  C++ is fun and easy to learn!</p>
21  <h2> advantages </h2>
22  <p>Very strong and very fast language during implementation time.
23  - It supports several types of programming, but object-oriented programming is not executed.
24  - Its software size is small compared to other languages.
25  - Handle the equipment with ease.
26  - Manual memory control
27  - Ancient language and many sources.</p>
28  <ol>
29    <li><a href="file:///D:/maysoon/researches/css.html">css</a>
30    </li>
31    <li><a href="file:///D:/maysoon/researches/html.html">html</a>
32    </li>
33    <li><a href="file:///D:/maysoon/researches/java.html">javascript</a>
34    </li>
35    <li><a href="file:///D:/maysoon/home.html">home</a>
36    </li>
37  </ol>
38 </body>
39 </html>
```

```
5 <html>
7 <head>
8   <title>html </title>
9 <style>p{color:}</style>
10 </head>
11 <body>
12   <h1>html </h1>
13   <h2>What is HTML?</h2>
14
15   <p>HTML stands for Hyper Text Markup Language
16   HTML describes the structure of a Web page
17   HTML consists of a series of elements
18   HTML elements tell the browser how to display the content
19   HTML elements are represented by tags
20   HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
21   Browsers do not display the HTML tags, but use them to render the content of the page</p>
22   <h2> HTML uses</h2>
23   <p>From what we mentioned earlier there is no doubt that you have noticed that it is not a programming language in the common sense, because the uses of the HTML language are limited to:
24
25   HTML is used for marking web pages, as it is the language for building and creating websites.
26   One of the basics of programming is that without it, the sites will not appear in this way, as HTML defines the website browser as the site's content sites.
27   This language is the language in which websites and web pages are designed easily through the use of notepad or similar programs.</p>
28   <br>
29   <ol>
30     <li><a href="file:///D:/maysoon/researches/css.html">css</a>
31     </li>
32     <li><a href="file:///D:/maysoon/researches/c++.html">c++</a>
33     </li>
34     <li><a href="file:///D:/maysoon/researches/java.html">javascript</a>
35     </li>
36     <li><a href="file:///D:/maysoon/home.html">home</a>
37     </li>
38   </ol>
39 </body>
40 </html>
```



```
<html>
<head>
  <title>java script </title>
<style>p{color:}</style>
</head>
<body>
<h1>javascript </h1>


<p>JavaScript is the programming language of HTML and the Web.</p>
<h2> why study javascript</h2>
<ul>
<li>HTML to define the content of web pages</li>
<li>CSS to specify the layout of web pages </li>
<li>JavaScript to program the behavior of web pages</li>
</ul>
<ol>
<li><a href="file:///D:/maysoon/home.html">home</a>
</li>
<li><a href="file:///D:/maysoon/reserches/c++.html">c++</a> </li>
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<li><a href="file:///D:/maysoon/reserches/css.html">css</a> </li>
</ol>
</body>
</html>
```

```
<html>
<head>
  <title>computer's research</title>
<style>p{</style>
<meta charset="utf_8">
</head>
<body>
<h1>programming Language</h1>
<h2></h2>
```

<p> A programming language is a vocabulary and set of grammatical rules for instructing a computer or computing device to perform specific tasks. The term programming 1

```
<p/>
<p>programming languages?are the ones that control the whole world and control the future.</p>
<p>Programming languages are divided into two parts. There is a part that is concerned with design and a part of it is concerned with coding.</p>
<p>Each programming language has a unique set of keywords (words that it understands) and a special syntax for organizing program instructions.</p>

```

```
<table border="1"width="400">
<tr>
<th> Language</th>
<td> HTML </td>
<td>c++</td>
<td> java script</td>
<td>css</td>
</tr>
<tr>
<th> uses</th>
<td> design of web pages </td>
<td> game development </td>
<td> front-end web development</td>
<td> web design </td>
</tr>
</table>
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</ol>
</body>
</html>
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## Screenshots:

### programming Language

A programming language is a vocabulary and set of grammatical rules for instructing a computer or computing device to perform specific tasks. The term programming language usually refers to high-level languages, such as BASIC, C, C++, COBOL, Java, FORTRAN, Ada, and Pascal.

programming languages?are the ones that control the whole world and control the future.

Programming languages are divided into two parts. There is a part that is concerned with design and a part of it is concerned with coding.

Each programming language has a unique set of keywords (words that it understands) and a special syntax for organizing program instructions.



Language	HTML	c++	java script	css
uses	design of web pages	game development	front-end web development	web design

1. [c++](#)
2. [css](#)
3. [html](#)
4. [javascript](#)



### javascript

## JavaScript



JavaScript is the programming language of HTML and the Web.

### why study javascript

- HTML to define the content of web pages
- CSS to specify the layout of web pages
- JavaScript to program the behavior of web pages

1. [home](#)
2. [c++](#)
3. [html](#)
4. [css](#)



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#### advantages

Very strong and very fast language during implementation time. - It supports several types of programming, but object-oriented programming is not executed. Its software size is small compared to other languages. - Handle the equipment with ease. Manual memory control - Ancient language and many sources.

links  
1. [css](#)  
2. [html](#)  
3. [javascript](#)  
4. [home](#)

#### css



#### what's css?

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CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.

1. [home](#)  
2. [c++](#)  
3. [html](#)  
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#### HTML uses

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