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Topic: Programming Languages

Application brief:

Programming languages have been developed rapidly. Programming languages allow computers to understand us. Programming languages are very important at this era.



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```
1  <html>
2  <h1>Types of Programming Languages</h1>
3  <h2>Links</h2>
4  <body>
5      <ul>
6          <li><a href="mainpage.html" target="_blank">Main Page</a></li>
7          <li><a href="types.html" target="_blank">Types of Programming Languages</a></li>
8          <li><a href="usage.html" target="_blank">Importance of Programming Languages</a></li>
9          <li><a href="best.html" target="_blank">Best to learn</a></li>
10     </ul>
11
12     <size=16><font color="green" face="arial"> there are four major types of programming paradigms; namely: Imperative,
13
14         Functional, Logical and Object-Oriented.
15
16         The imperative programming paradigm was one of the earliest and was developed
17         using machine-language. It is also the basis on which all hardware is implemented. This was further confirmed by a published journal by Laird(2009) in which he
18         stated that "In imperative programming, statements are instructions at the native
19         machine-level, and they contain states and variables that point right to the memory."
20         Some of its merits include but not limited to: close to the machine - fast execution time, more efficient. Whilst, on the other hand, its weaknesses are order sensitive and the
21         limitation of abstraction. Functional programming is essentially less complex and offers better readability than imperative.
22
23         This paradigm is thought of to have been originated from a mathematical discipline. Merits include
24         : compare to imperative it has a higher level of abstraction, is not tied to dependency. Some of the
25         weakness include: less efficiency, troubleshooting variables or it's sequential activities are better handled in both Object-Oriented or imperatively. Unlike the other major paradigms, the logical paradigm is
26         mostly different in that it focusses primarily on predicate logic - relation. This is also a vital part of the
27         logic circuit of a computer. Merits of this paradigm include: "problems are solved by the system and Proving the
28         validity of a given program is simple" (the University of Central Florida, n.d). Finally, the Object-Oriented
29         paradigm also known as O-O focusses on objects, it's representation and the behavior they exhibit; rather than variables
30         of the imperative paradigm. O-O borrows from all the major paradigms.</font></size>
31
32 </body>
33
34 </html>
35
36
37
38 <html>
39 <h1>Programming Languages</h1>
40 <h2>Links</h2>
41 <body>
42     <ul>
43         <li><a href="mainpage.html" target="_blank">Main Page</a></li>
44         <li><a href="how.html" target="_blank">How does they work</a></li>
45         <li><a href="types.html" target="_blank">Types of Programming Languages</a></li>
46         <li><a href="usage.html" target="_blank">Importance of Programming Languages</a></li>
47         <li><a href="best.html" target="_blank">Best to learn</a></li>
48     </ul>
49
50     <h2>This is the main page for Programming Languages project</h2>
51
52     
53     
54
55 </body>
56
57 </html>
```



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```
18 </li>kotlin</li>
19 <li>C#</li>
20 <li>Julia</li>
21 </ol>
22 
23 <h3>The percentage of developers who are developing with this language or technology
24 and have expressed interest in continuing to develop with it:</h3>
25 <table border="3.5" cellpadding="3" cellspacing="5">
26 <tr>
27 <td>programming languages</td>
28 <td>Rust</td>
29 <td>Python</td>
30 <td>kotlin</td>
31 <td>Go</td>
32 <td>Julia</td>
33 <td>Dart</td>
34 <td>C#</td>
35 <td>Swift</td>
36 <td>JavaScript</td>
37 </tr>
38 <tr>
39 <td>Percentage</td>
40 <td>86.1%</td>
41 <td>66.7%</td>
42 <td>62.9%</td>
43 <td>62.3%</td>
44 <td>62.2%</td>
45 <td>62.1%</td>
46 <td>59.7%</td>
47 <td>59.5%</td>
48 <td>58.3%</td>
49 </tr>
50 </tr>
51 </table>
52 </body>
53 <html>
```



Screenshots

Programming Languages

Links

- [Main Page](#)
- [How does they work](#)
- [Types of Programming Languages](#)
- [Importance of Programming Languages](#)
- [Best to learn](#)

This is the main page for Programming Languages project

Language	Front-end web development	Back-end web development	Mobile development	Game development	Desktop applications	Systems programming
JavaScript	✓		✓			
Python		✓			✓	
Java		✓			✓	
C++				✓		✓
C#					✓	
PHP	✓	✓				
Perl		✓				
Ruby		✓				
Go		✓				
Swift			✓			
Kotlin			✓			
Objective-C				✓		
Fortran						✓
Assembly						✓

Importance of Programming Languages

Links

- [Main Page](#)
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Programming language is important because it defines the relationship, semantics and grammar which allows the programmers to effectively communicate with the machines that they program. A programming language serves several purposes: 1 You can instruct the computer what to do in a human-readable form. 2 Allows the programmer to structure the instructions into functions, procedures, etc. This also allows the program to be broken into "chunks" which can be developed by a group of developers. Provides portability - the low-level instructions of one computer will be different from that of another computer.



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Best to learn

Links

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- [Types of Programming Languages](#)
- [Importance of Programming Languages](#)
- [Best to learn](#)

1. JavaScript
2. Swift
3. Rust
4. Go
5. Python
6. Dart
7. kotlin
8. C#
9. Julia

