What Are The Purposes of Other Programming Languages?

There are 16 popular programming languages and they have different uses, some are beginner friendly while some aren’t. Below are the lists of the programming languages.

Let programmingLanguages= [ C , C# , C++, CSS , GO, HTML, Java, JavaScript, Objective C, Perl, PHP , Python ,R , Ruby ,SQL , Swift.];

programmingLanguage=[0];

**C**

This was first released in the year 1972, (50 years ago). It is mostly referred to as the great-grandmother and lingua franca for all modern programming languages. It is used for creating a variety of computer programs, such as operating systems.

C is beginner friendly due to its complex and cryptic syntax which takes time to get used to.it has been around for quite some time so we can find some similarity in newer programming languages.

What is C used for?

1. Compilers
2. Operating systems and system tools
3. Advanced computation and Graphics
4. Game Development
5. Enterprise Software

programmingLanguage=[1];

**C#**

This was originally developed by Microsoft to run their Net Framework. It is based on C and C++, it was originally created to be easy to learn and also easy to read. C# is a high level language, meaning it was created to be read like English language.

What is C# used for?

* 1. Game development
  2. Desktop applications ( Microsoft and windows)
  3. Web service
  4. Web application

ProgrammingLanguage=[2];

**C++**

This was based on C, it is a high performing language but rather low level, low level programming languages uses a lower degree of abstraction so they are more difficult to read and understand. This also means that you spend more time trying to understand how the language works.

If you are coding and application from scratch with C++ you need to write a lot of codes which makes it difficult to manage.

What is C++ used for?

1. Mobile apps
2. Desktop applications
3. Web applications
4. Game engines and Games

ProgrammingLanguage=[3];

**CSS**

CSS or cascading style sheet, is a language web designers and web developers use to create the look and style of a website. CSS is easy and quick to learn, it is one of the most motivational languages for beginners to learn because you see the output of your codes immediately. It takes years to fully master the act of CSS.

What is CSS used for?

1. Styling web page structure, layout and content.

ProgrammingLanguage=[4];

**Golang**

Go or Golang is an open source language originally developed in 2009 by a team at Google. The aim was to create a language that would eliminate the faults and problems they had with other programming language while keeping all the features that they liked.

It is easy to learn and you can pick up the basics even if you are new to coding and programming. It has a simple and intuitive syntax.

What is GO used for?

1. Game development
2. Server- side programming
3. Cloud service
4. IOT
5. Distributed networks

ProgrammingLanguage=[5];

**HTML**

HyperText Markup language is used to create structure content for all website on WWW. You can use HTML to create things like, sidebar, footer areas, Lists, navigation menus, heading and paragraph etc.

What Is HTML used for?

1. Building the web page structure
2. Creating individual content elements

ProgrammingLanguage=[6];

**Java**

It is one of the most popular and widely used languages in the world. It is used for a variety of different projects from coding android smart phones to building complex desktop applications. The fundaments of Java stems from C++. It is beginner friendly and easy to learn.

What is Java used for?

1. Mobile development( android)
2. Game development
3. Big data development
4. Desktop software

ProgrammingLanguage=[7];

**JavaScript**

Not to be confused with Java, JavaScript is a programming language for the web. It breathes life into a website, making them more interactive, interesting to use and user-friendly. JavaScript programming language is a sought after skill in the job market.

What is JavaScript used for?

1. Front-end web development (jQuery, AngularJS and React)
2. Back-end web development ( NodeJs)
3. Mobile apps with React Native.

programmingLanguage=[8];

**Objective-C**

It is the primary language by Apple for developing MAC, IOS and OS X. it was first developed in the 80s but it gained popularity as Apple became popular. It is a powerful language based off of C language. It isn’t the easiest language for beginners for learn.

What is Objective-C used for?

1. Mobile development( IOS)

ProgrammingLanguage=[9]

**Perl**

This is a high level scripting language that first appeared in 1987 and has developed into a small family of two separate languages, Perl5 and Perl6.

It was originally meant for text processing and manipulation, but it has since found applications ranging in web development to system administration.

What is PERL used for?

1. Network programming
2. GUI development
3. Web development

ProgrammingLanguage=[10]

**PHP**

It is a scripting language that runs on the server side to create web pages written in HTML.

It is a relatively easy language to learn for new developers. It was originally created to be a toolset to help its creator, Rasmus Lerdorf, maintain his personal home page (PHP)

What is PHP used for?

1. Back-end web development
2. Wordpress development

ProgrammingLanguage=[11];

**Python**

It was first developed by Guido Van Rossum in 1990s, it is the easiest programming language to learn. It reads a lot like English.

What Is python used for?

1. Data visualization
2. Data analysis
3. Machine learning
4. Artificial intelligence
5. Back-end development (Flask and Django)
6. Game development

ProgrammingLanguage=[12];

**R**

It was released by Ross Ihaka and Robert Gentleman, throughout the years it has been the best programming language for data analysis, graphical data modelling and time series analysis.

What Is R used for?

1. Data analysis and data science
2. Machine learning

ProgrammingLanguage=[13];

**Ruby**

It is a high level, multipurpose programming language that was first released in 1995. It is one of the most fun and creative programming language to work with.

What is ruby used for?

1. Back-end web development

ProgrammingLanguage=[14];

**SQL**

Structured Query Language is the most common language used for managing data stored in relational database management system (RDBMS).

What is SQL used for?

1. Database Management.

ProgrammingLanguage=[15]

**Swift**

This was created by Apple in 2014, it was aimed at IOS and OSX developers, giving them the perfect tools for creating the next big thing on the app market. It is user friendly.

What is swift used for?

1. Mobile app development (for IOS devices )