

1 PROGRAMMING LANGUAGES

1.1 TYPES OF PROGRAMMING LANGUAGES

- Python
- C++
- Java
- JavaScript
- HTML



Figure 1: image via:dummies.com

2 History of python programming language

- In the late 1980s Guido van Rossum designed python.
- It was released firstly on the 20th of february.
- Python Software Foundation helped in the development of the language.



Figure 2: Guido van Rossum
image via:thefamouspeople.com

3 APPLICATIONS OF PYTHON

Python has a part to play in developing websites and software. It is mainly used in areas like data analysis, data visualization and task automation. Python can be used in different areas of application development, such as; Web Development, Game Development, Software Development, Business Applications and even Language Development. It is a well known fact that in making a good software application multiple programming languages need to be utilized. Some of these software applications are:

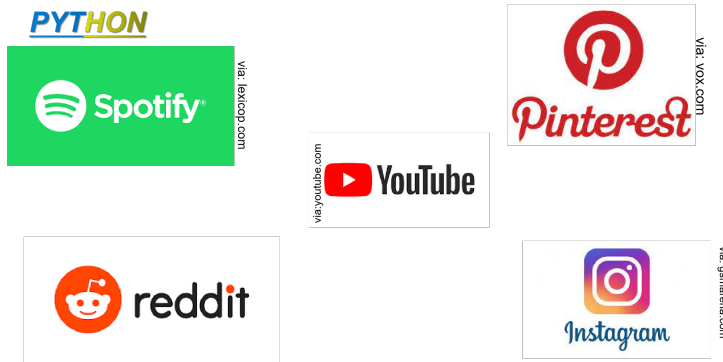


Figure 3:

3.1 IDEs that support python

- PyCharm
- Spyder
- Vim
- Atom
- Pydev



Figure 4: image via: datacamp.com

3.1.1 Programming languages related to python

- Ruby
- PHP
- Java
- Golang
- Scala

4 C++

4.1 HISTORY

- Bjarne Stroustrup was the programmer that developed C++.
- It was initially built upon the C programming language.
- He later named it C++ after various improvements.



Figure 5: Bjarne Stroustrup
image via: stroustrup.com

4.2 APPLICATIONS OF C++

C++ programming language can be applied in the development of operating systems, Game development and large scale web applications. C++ has been applied in software applications like:

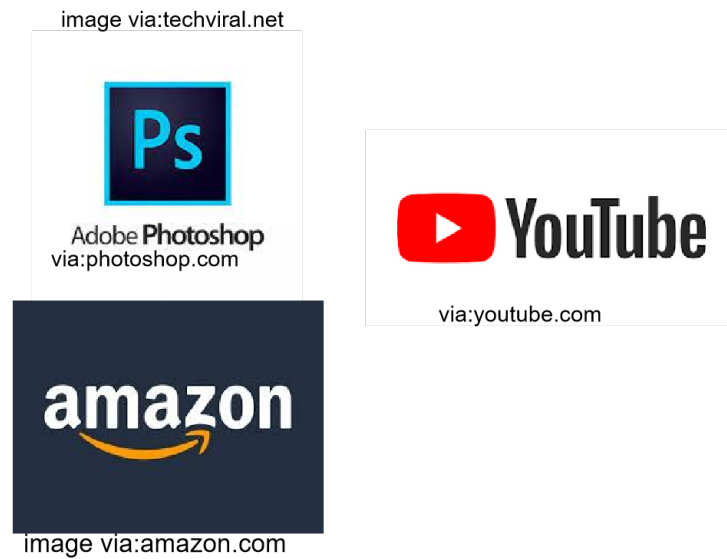


Figure 6:

4.3 IDEs that support C++:

- Eclipse
- Visual Studio Code
- CodeLite
- CLion

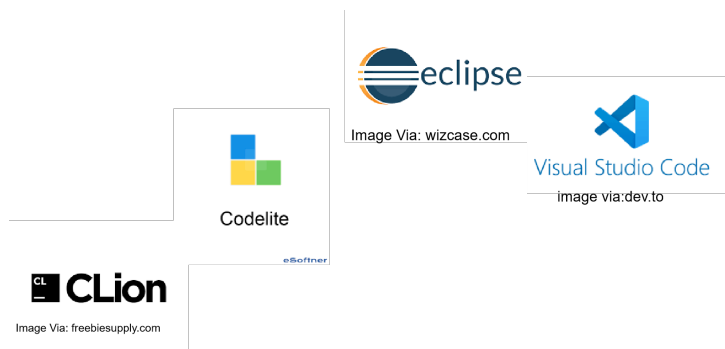


Figure 7:

4.4 Programming languages related to C++

- Python
- C-sharp
- Java
- Rust
- Golang

5 Java

5.1 HISTORY

James Gosling developed Java in 1995. It originally started as project oak by James in June 1991. James was not the only one that had a part to play in the development of Java, he had colleagues that worked with him at Sun Microsystems.



Figure 8: James Gosling
Image via: wealthypersons.com

5.2 APPLICATIONS OF JAVA:

Java can be applied in the development of gaming applications,web-based applications and even mobile development. Examples of software applications that have been developed with Java are:

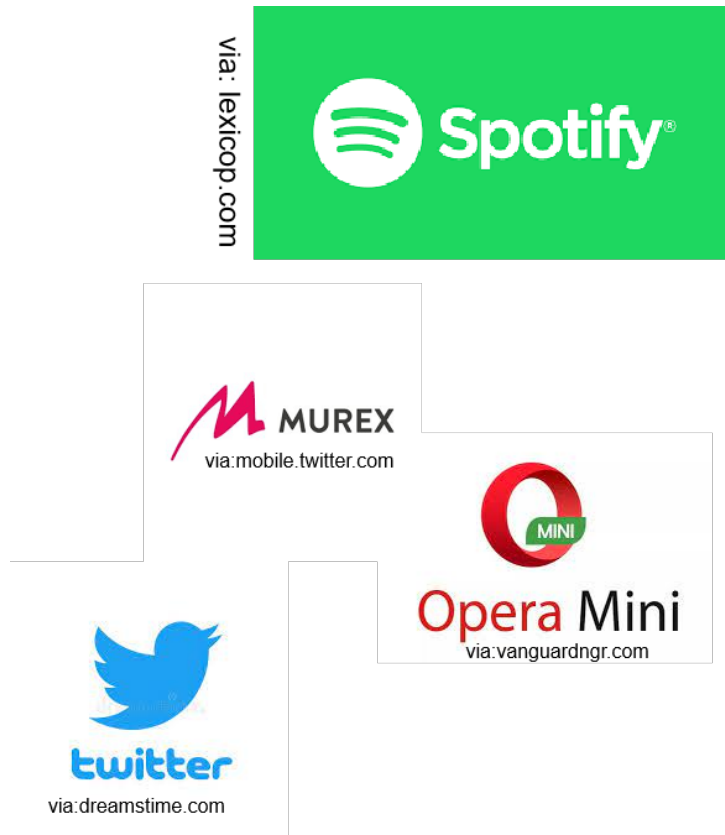


Figure 9:

5.3 IDEs that support Java:

- Kite
- Apache NetBeans
- Xcode
- BlueJ
- IntelliJ IDEA



Figure 10:

5.4 Related programming languages to Java

- C-sharp
- Ruby
- Small talk
- Lisp

6 JavaScript

6.1 HISTORY

Brendan Eich created JavaScript. This happened in 1995. Brendan developed the language with the help of Netscape Communications. It was originally created as a scripting language that could be used on Netscape's web browser.



Figure 11: Brendan Eich
Image via: en.wikipedia.org

6.2 APPLICATIONS OF JAVASCRIPT

Javascript is used in the development of websites, it can also be used in development of web servers and game development. Examples of applications which use JavaScript are:



Figure 12: image via:appventurez.com

6.3 IDEs that support JavaScript

- WebStorm
- Visual Studio Code
- Atom IDE
- Brackets

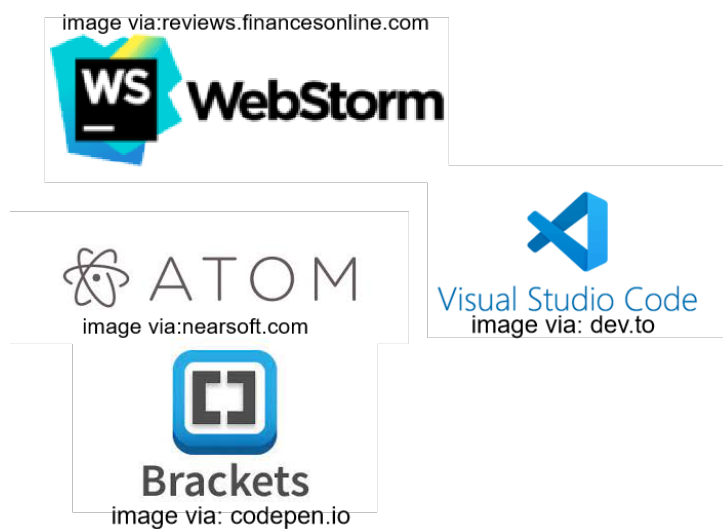


Figure 13:

6.4 Programming languages related to JavaScript

- Dart
- CoffeeScript
- Opal
- Kaffeine
- Roy

6.5 HTML

6.5.1 HISTORY

Sir Tim Berners-Lee created the Hypertext Markup Language. He created it in 1991. It was released in 1995 as HTML 2.0. HTML was created so that pages could be created on the World Wide Web using text.



Figure 14: SIR TIM BERNERS-LEE

Image via:w3.org

6.6 APPLICATIONS OF HTML:

HTML is primarily known for the part it plays in web page development. It can also be used in Data entry and Internet Navigation.

6.7 IDEs that support HTML

- Visual Studio
- IntelliJ IDEA
- Komodo IDE
- Sublime Text 3
- Eclipse IDE



via:twitter.com



via: pinterest.com

Figure 15: