

CSC 101- Programming Languages

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Figure 1:

1 Java

1.1 Introduction

Java programming language was released in the year 1995 and was created at Sun Microsystem inc, with James Gosling as the lead researcher.

Source: Britannica

1.2 Applications that use java includes

1. Nasa World Wind
2. Google
3. Android OS
4. Netflix
5. Spotify
6. Uber
7. Amazon Gotten from: Javavisited

1.3 Java Integrated Development Environments (IDE) Includes:

1. Xcode
2. Eclipse
3. Visual Studio
4. AWS Cloud9
5. My Eclipse

Source: Best Java Integrated Development Environments (IDE)

1.4 Related Programming Languages includes:

1. C++
2. C sharp
3. Lisp

Source: Java Compared with Other Languages

2 PHP

2.1 Introduction

PHP stands for Hypertext Preprocessor it was formally known as personal home page. It was developed by Rasmus Lerdorf in 1994. Source: Education Ecosystem.

2.2 Applications that use PHP includes:

1. Moodle
2. Opencart
3. Ubercart
4. Mediawiki

Source: Invensis

2.3 PHP Integrated Development Environments (IDE) Includes:

1. Netbean
2. PhpStorm
3. Eclipse
4. Zend Studio
5. CodeLite

Source: Best PHP Integrated Development Environments(IDE).

2.4 Related Programming Languages includes:

1. Java
2. Python
3. Ruby

Source: Hackr.io

3 Python

3.1 Introduction

Python Programming Language was developed in the late 1980s but implemented in December 1989 by Guido Van Rossum In the Netherlands. Source: Wikipedia

3.2 Applications that use Python includes:

1. Pandas
2. NumPy
3. Vega Strike
4. Disney's Toontown

Source: Edureka

3.3 Python Integrated Development Environments (IDE) Includes:

1. Pydev
2. Vim
3. Pycharm
4. Visual Studio Code
5. Atom

Source: 10 Best Python IDE

3.4 Related Programming Languages includes:

1. Java
2. Perl
3. Tcl

Source: Python

4 Ruby

4.1 Introduction

Ruby was created by Yukihiro Matsumoto in the year 1995. Ruby emphasizes on the need for softwares to be first understood by the programmer then the computer. Source: Launch school.

4.2 Applications that use Ruby includes:

1. AirBnB
2. Basecamp: Project Management System
3. Soundcloud
4. Slide share
5. Hulu

Source: Edureka10 popular web apps that are built using Ruby.

4.3 Ruby Integrated Development Environments (IDE) Includes:

1. Rubymine
2. NetBeans
3. Eclipse
4. Aptana Studio
5. Komodo IDE

Source: What's the Best Ruby IDE for Web Development in 2019

4.4 Related Programming Languages includes:

1. Java
2. Python
3. PHP

Source: What is Ruby and what are its top alternatives?

5 C++

5.1 Introduction

C++ programming language was developed in the year 1979 by Bjarne Stroustrup at Bell Laboratories. It was once called “C with Objects” but later named as C++ by Stroustrup in 1983. Source: Brief history of C++

5.2 Applications that use C++ includes:

1. Linux
2. Microsoft Windows
3. Mac OSX
4. Infosys Finacle
5. MySQL

Source: C++ Language: Features, Uses, Applications and Advantages

5.3 C++ Integrated Development Environments (IDE) Includes:

1. Arduino IDE
2. NetBeans
3. Particle
4. CLion
5. C++ Builder

Source: What's the Best Ruby IDE for Web Development in 2019

5.4 Related Programming Languages includes:

1. Java
2. Python
3. Ruby

Source: Educba

6 USEFUL TIPS/ links

- How to cite a website, book, youtube video and picture in powerpoint.
- History of java in animation
- The complete history of python

THANK YOU