

1 PROGRAMMING LANGUAGES

There are five programming languages that I am going to be discussing:

1. PYTHON
2. SWIFT
3. C++
4. GOLANG
5. JAVA

2 PYTHON

2.1 HISTORY OF PYTHON

Python was developed in the late periods of 1980 by a man called Guido van Rossum at Centrum Wiskunde.

2.1.1 Where can python be applied?

Python is mostly adopted for machine learning and artificial intelligence it can be applied in:

- Data Analytics
- Web development
- Game development
- Designs

Some companies like Instagram, Spotify and Amazon make use of python as their programming language.

2.1.2 Python INTEGRATED DEVELOPMENT ENVIRONMENT

- Spyder
- PYCHARM
- THONNY
- ATOM
- JUPYTER NOTEBOOK

3 SWIFT

3.1 HISTORY OF SWIFT

Swift was developed in 2010 by Chris Lattner it is sometimes said to have been a replacement of Objective C.

3.2 Where can it be applied?

- Swift is a general open source programming language developed by apple which means that it is used and applied in the development of ios and Mac OS.
- Swift is used by companies like Apple and Slack.

3.3 SWIFT INTEGRATED DEVELOPMENT ENVIRONMENT(IDE)

- Apple developer
- App code
- Xcode
- C lion

4 JAVA

4.1 HISTORY OF JAVA

Java was invented by James Gosling in 1995 at sun microsystem.

4.2 Where can it be applied?

- Business Application
- Cloud-Based Application
- Big Data Technologies
- Scientific Applications
- Game Applications
- Companies like ibm, hcl and Infosys

4.3 JAVA INTEGRATED DEVELOPMENT ENVIRONMENT (IDE)

- Jgrasp
- DrJava
- NetBeans
- JDeveloper

5 GOLANG

5.1 HISTORY OF GOLANG

It was developed by Google in year 2007 for apis and web applications.

5.2 Where can it be applied?

- News Outlets
- Media Platform
- Distributed Network Services Companies that use golang are GOOGLE, UBERAD twitch

6 C++

6.1 HISTORY OF C++

C++ was created by Bjarne Stroustrup in 1979 it was formally known as C with Object, up until 1983

6.1.1 WHERE CAN IT BE APPLIED?

- GAME DEVELOPMENT
- BANKING APPLICATIONS
- DATABASE SOFTWARE

6.1.2 C++ INTEGRATED DEVELOPMENT (IDE) C++ INTEGRATED DEVELOPMENT (IDE)

- DEV-C++
- QT CREATOR
- CODELITE