

# List of High-Level Programming Languages

## C Language

- Developed by Dennis Ritchie in Bell Labs.
- Files are saved in .c format
- C++ was developed from C language.
- C is not an Object-Oriented Language or OOP Language.
- It is used to code System Software, Application Software.
- C language was used to write UNIX.

## JAVA

- Java was founded by James Gosling at the lab of Sun Microsystems.
- Files are saved in .JAVA format
- After Sun was taken over by Oracle, it became the owner of Java (JVM and JDK).
- Java is used to write Android applications.
- It is an OOP Language.
- Java does not depend on platforms

## SQL

- SQL means "Structured Query Language".
- Founded by IBM.
- SQL was declared a standard of (ANSI) American National Standards Institute in 1986.
- Used for database related work.

## HTML

- "Hypertext Markup Language" was created by W3C and
- Files are stored in .htm and .html formats
- Websites are developed using this language.
- It is a scripting language.

## Visual Basic

- Designed and developed by Microsoft.
- It is a multi-paradigm, object-oriented programming language.

- File extension is .vb Example (hello.vb).
- IDE (Integrated Development Environment) is Visual Studio.

## **FORTRAN**

- Stands for “Formula Translation”.
- Designed by John Backus.
- Developed by John Backus and IBM.
- File are stored in , .f08, .f15, .f, .fo, .f90, .f95, .f03 formats.
- Used for engineering calculation, mathematical operations.
- FORTRAN is a general-purpose imperative programming language.

## **ALGOL**

- It stands for Algorithm Languages.
- Developed in 1958.
- There were three major specialisations of ALGOL: ALGOL58, 60 and 68.
- It was designed especially for Scientific implementations.
- Various other High-Level Computer Languages were inspired from ALGOL.

## **PYTHON**

- It is an interpreted, high-level programming language.
- Released in 1991.
- It supports structured, object-oriented and functional programming.
- It used block coding.

## **COBOL**

- Stands for “Common Business Oriented Language”
- Designed by Howard Discount, Vernon Reeves, Howard Bromberg, Jean E. Sammet, William Selden, Gertrude Tierney.
- Developed by CODASYL, ANSI, ISO.
- File extensions are .cbl, .cob, .cpy.
- Even to these days it is used in legacy applications deployed on mainframe computers.

## **C#**

- Pronounced as See sharp.
- Designed and developed by Microsoft.
- File extension .cs.
- Windows mobile application is developed using C#.

## **LISP**

- Stands for “List Processing”.
- Designed by McCarthy.
- Developed by Steve Russell, Timothy P. Hart, and Mike Levin.
- Used in AI (Artificial Intelligence).
- It is also suitable for input output handling and graphics.

## **SNOBOL**

- Stands for “String Oriented Symbolic Language”.
- Developed by David J. Farber, Ralph E. Griswold, Ivan P. Polonsky and Bell Labs.
- Designed by David J. Farber, Ralph E. Griswold, and Ivan P. Polonsky.
- It is a text-oriented language.

## **PROLOG**

- Stands for “Programming Logic”.
- Designed by Alain Colmerauer.
- File extension .pl, .pro, .P.
- This language is used for “Artificial Language”.
- Can manage to handle large number of databases.

## **BASIC**

- Stands for “Beginner’s All-Purpose Symbolic Instruction Code”.
- Designed by John G. Kemeny and Thomas E. Kurtz.
- Used for scientific and engineering operations.

## **C++**

- Designed by Bjarne Stroustrup.
- Files are stored in .cc, .cpp, .cxx, .C, .c++, .h, .hh, .hpp, .hxx, .h++
- C++ is an Object-Oriented Programming Language.
- C# and Java were influenced by C++.