

COBOL Programming Language

COBOL Programming Language

Presented by D.Sanjai Prashad

CB.EN.U4CYS21066

TIFAC-CORE in Cyber Security

Amrita Vishwa Vidyapeetham, Coimbatore Campus

Feb 24, 2023



AMRITA
VISHWA VIDYAPEETHAM



- Introduction To COBOL
- COBOL Syntax
- COBOL Datatypes
- Advantages of COBOL
- Disadvantages of COBOL
- Uses of COBOL



Introduction To COBOL

- **COBOL** (COmmon Business Oriented Language) is a programming language that was designed for business applications.
- It was developed in the late 1950s and is still used today in many business applications.
- COBOL is a procedural and strongly typed language,



- COBOL has a very specific syntax that must be followed in order for the code to be valid.
- It is based on English-like words and phrases, making it easy to read and understand.



Example Syntax

IDENTIFICATION DIVISION.

PROGRAM-ID. program-name.

AUTHOR. author-name.

INSTALLATION. installation-name.

DATE-WRITTEN. date-written.

DATE-COMPILED. date-compiled.

ENVIRONMENT DIVISION.

CONFIGURATION SECTION.

SOURCE-COMPUTER. computer-type.

OBJECT-COMPUTER. computer-type.



- COBOL supports a variety of data types, such as numbers, characters, and dates.
- These data types can be used to store information in variables and manipulate it within the program.
- Additionally, COBOL supports user-defined data types, which can be used to create custom data structures.
- COBOL also supports file handling, which allows for the manipulation of data stored in external files.



Advantages of COBOL

- Easy to learn and use.
- All the instructions can be coded in simple English words.
- Ideal for businesses that need to quickly develop applications.
- Reliable, stable and platform-independent language.
- Excellent support for file handling



Disadvantages of COBOL

- Not a flexible language like C++, java, python, etc.
- Very wordy language.
- Takes more time for compilation.
- Not well-suited language for web development or Mobile Applications, etc.
- This language has a smaller group of developers.



- Business and financial applications.
- Government applications.
- Used in legacy systems.
- Used for data processing and data manipulation.



Ramaguru, R., Sindhu, M., Sethumadhavan, M. (2019). Blockchain for the Internet of Vehicles. In: Singh, M., Gupta, P., Tyagi, V., Flusser, J., Ören, T., Kashyap, R. (eds) Advances in Computing and Data Sciences. ICACDS 2019. Communications in Computer and Information Science, vol 1045. Springer, Singapore.
https://doi.org/10.1007/978-981-13-9939-8_37

