

20CYS383 - Java Programming Assignment

COBOL Programming Language

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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 Syntax

- 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.

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 Datatypes

- 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.

Uses of COBOL

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