

IBM COBOL – Data and File Management

Welcome to IBM COBOL – Data and File Management! By enrolling in this course, you are taking a big step in increasing your knowledge and hands on experience with IBM COBOL data and file management. In this course, you will learn the fundamental elements of COBOL code. You will learn the process of working with COBOL data. You will learn handling COBOL files. This course also relational databases in a mainframe, COBOL context. So let's get started!

This course is comprised of the following 6 modules:

1. Module 1 - Welcome to IBM COBOL Data and File Management	2
1.1. Course Objectives	2
1.2. Class Introduction	2
2. Module 2 - COBOL Data Fundamentals	3
2.1. COBOL Language Elements	3
2.2. COBOL Program Structure	3
2.3. Common COBOL Commands	3
3. Module 3- Working with COBOL Data	4
3.1. VSCode, Zowe Components, and Mainframe Extensions	4
3.2. COBOL Command Line Interface (CLI)	4
3.3. JES and JCL	4
4. Module 4 – Handling COBOL Files	5
4.1. Records	5
4.2. Blocks	5
4.3. Organization and Storage	5
5. Module 5 - Relational Data in a COBOL Context	6
5.1. Fundamentals of Relational Data	6
5.2. Fundamentals of Db2	6
5.3. COBOL Data Interfaces	6
Module 6 – Congratulations on Completing IBM COBOL – Data and File Management	7
Completed Course Objectives	7
Final Class Comments	7
Additional Course Details and Next Steps	7

1. MODULE 1 - WELCOME TO IBM COBOL DATA AND FILE MANAGEMENT

In the first module of the course, we will welcome everyone to the course, present the course objectives, and introduce us to the class. By the end of this module, you will know how to define the course objectives, introduce yourself to the class, list additional course details. Let's get started!

Learning objectives:

Welcome everyone to the course, present the course objectives, and introduce us to the class.

After completing this module, you will be able to:

- Define the course objectives.
- Introduce yourself to the class.
- List additional course details.

1.1.COURSE OBJECTIVES

1.2.CLASS INTRODUCTION

2. MODULE 2 - COBOL DATA FUNDAMENTALS

In the second module of the course, we will describe the fundamental elements of COBOL code. By the end of this module, you will identify COBOL language elements and their usage(s) within a program, define divisions within a COBOL program and their usages(s) and list common COBOL commands.

Learning objectives:

Describe the fundamental elements of COBOL code. After completing this module, you will be able to:

- Identify COBOL language elements and their usage(s) within a program.
- Define the structure of a COBOL program
- List common COBOL Commands.

2.1.COBOŁ LANGUAGE ELEMENTS

Identify COBOL language elements and their usage(s) within a program.

2.2.COBOŁ PROGRAM STRUCTURE

Define the structure of a COBOL program.

2.3.COMMON COBOŁ COMMANDS

List common COBOL commands.

3. MODULE 3- WORKING WITH COBOL DATA

In the third module of the course, we will describe the process of working with COBOL data. By the end of this module, you will define VSCode, Zowe components, and mainframe extensions; describe using COBOL command line interface (CLI) and describe JES and JCL for COBOL data and file management.

Learning objectives:

Describe the process of working with COBOL data. After completing this module, you will be able to:

- Define VSCode, Zowe components, and mainframe extensions.
- Describe using COBOL command line interface (CLI).
- Describe JES and JCL for COBOL data and file management.

3.1.VSCODE, ZOWE COMPONENTS, AND MAINFRAME EXTENSIONS

Define VSCode, Zowe components, and mainframe extensions.

3.2.COBOL COMMAND LINE INTERFACE (CLI)

Describe using COBOL command line interface (CLI).

3.3.JES AND JCL

Describe JES and JCL for COBOL data and file management.

4. MODULE 4 – HANDLING COBOL FILES

In the fourth module of the course, we will describe handling COBOL files. By the end of this module, you will be able to describe records, explain blocks, and list organization and storage concepts.

Learning objectives:

Describe handling COBOL files. After completing this module, you will be able to:

- Describe records.
- Explain blocks.
- List organization and storage concepts.

4.1.RECORDS

Describe records.

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4.2.BLOCKS

Explain blocks.

4.3.ORGANIZATION AND STORAGE

List organization and storage concepts.

5. MODULE 5 - RELATIONAL DATA IN A COBOL CONTEXT

Learning objectives:

In the fifth module of the course, we will describe relational databases in a COBOL context. By the end of this module, you will be able to describe the fundamentals of relational data; define fundamental Db2 topics and concepts; list COBOL data interfaces.

After completing this module, you will be able to:

- Describe the fundamentals of relational data.
- Define fundamentals Db2 topics and concepts.
- List COBOL data interfaces.

5.1.FUNDAMENTALS OF RELATIONAL DATA

Describe the fundamentals of relational data.

5.2.FUNDAMENTALS OF DB2

Define fundamentals Db2 topics and concepts.

5.3.COBOL DATA INTERFACES

List COBOL data interfaces.

MODULE 6 – CONGRATULATIONS ON COMPLETING IBM COBOL – DATA AND FILE MANAGEMENT

Learning objectives:

Congratulate everyone for completing the course, present the completed course objectives, and define other pertinent course details and next steps.

After completing this module, you will be able to:

- Review completed course objectives.
- Offer final comments to the group.
- Define additional course details and next steps.

COMPLETED COURSE OBJECTIVES

FINAL CLASS COMMENTS

ADDITIONAL COURSE DETAILS AND NEXT STEPS