

IBM COBOL – Basic Testing and Debugging

Welcome to IBM COBOL – Basic Testing and Debugging! By enrolling in this course, you are taking a big step in increasing your knowledge and hands on experience with IBM COBOL testing and debugging topics and technologies. In this course, you will describe common errors associated with working with COBOL. You will list file status codes. You will also describe the process of debugging COBOL code. So let's get started!

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1. MODULE 1 - WELCOME TO IBM COBOL BASIC TESTING AND DEBUGGING

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

1.3.ADDITIONAL COURSE DETAILS

2. MODULE 2 – COMMON COBOL ERRORS

In the second module of the course, we will describe common errors associated with working with COBOL. By the end of this module, you will be able to define COBOL run-time errors; list file status codes; and describe common COBOL errors.

Learning objectives:

Describe common errors associated working with working with COBOL. After completing this module, you will be able to:

- Define COBOL run-time errors.
- List file status codes.
- Describe common COBOL errors.

2.1.RUN-TIME ERRORS

Describe COBOL run-time errors.

2.2.FILE STATUS CODES

List file status codes.

2.3.COMMON COBOL ERRORS

Describe common COBOL errors.

3. MODULE 3 - TESTING

In the third module of the course, we will describe core concepts and topics related to testing COBOL code. By the end of this module, you will identify COBOL compile options and their usage(s) within a testing context; describe mainframe unit testing; define the test drive development (TDD) methodology in a COBOL context.

Learning objectives:

Describe core concepts and topics related to testing COBOL code. After completing this module, you will be able to:

- Identify COBOL compile options and their usage(s) within a testing context.
- Describe mainframe unit testing.
- Define the test drive development (TDD) methodology in a COBOL context.

3.1.COBOLEOMPILE OPTIONS

Identify COBOL compile options and their usage(s) within a testing context.

3.2.MAINFRAME UNIT TESTING

Describe mainframe unit testing.

3.3.TEST DRIVEN DEVELOPMENT (TDD)

Define the test drive development (TDD) methodology in a COBOL context.

4. MODULE 4- DEBUGGING

In the fourth module of the course, we will describe the process of debugging COBOL code. By the end of this module, you will list concepts and topics related to detecting, diagnosing, and eliminating bugs; Describe COBOL debugging options; and describe the IBM z/OS Debugger and its core features and functionality.

Learning objectives:

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

- List concepts and topics related to detecting, diagnosing, and eliminating bugs.
- Describe COBOL debugging options.
- Describe the IBM z/OS Debugger and its core features and functionality.

4.1.DETECT, DIAGNOSE, ELIMINATE

List concepts and topics related to detecting, diagnosing, and eliminating bugs.

4.2.COBOL DEBUGGING OPTIONS

Describe COBOL debugging options.

4.3.IBM z/OS DEBUGGER

Describe the IBM z/OS Debugger and its core features and functionality.

MODULE 5 – CONGRATULATIONS ON COMPLETING IBM COBOL – BASIC TESTING AND DEBUGGING

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