

Visual COBOL Practice Guide

Exercises that simulate real-world COBOL developer tasks.

Stage 1: Core COBOL Programming (Business Logic)

- Customer Data Formatting – Input name and birth date, output formatted name with age.
- Payroll Calculation – Compute Gross, Tax, and Net pay from hours worked and rate.
- Bank Transaction Batch – Process deposits/withdrawals from input file and update balance.

Stage 2: File Handling & Data Processing

- Student Grade Report (Sequential File) – Read student records, calculate average, and write report.
- Employee Master File (Indexed File) – Add, update, delete, and retrieve employee records.

Stage 3: Database Interaction

- Accounts Database – Insert, update, and retrieve account details using SQL.
- Order Processing – Manage customers and orders, display all orders for a customer.

Stage 4: Job Control & Modularization

- Program Calling – Write a main driver program that calls multiple subprograms for input, calculation, and reporting.
- Batch Simulation – Read transactions, update master records, and generate daily reports.

Stage 5: Real-World Simulation (Capstone Project)

- Mini Banking System – Create a system that supports Open Account, Deposit, Withdraw, Balance Inquiry, Close Account. Store transactions and generate daily statement reports.