**Volume One: Data Representation**

Chapter One: Foreword

An introduction to this text and the purpose behind this text.

Chapter Two:Hello, World of Assembly Language

A brief introduction to assembly language programming using the HLA language.

Chapter Three:Data Representation

A discussion of numeric representation on the computer.

Chapter Four:More Data Representation

Advanced numeric and non-numeric computer data representation.

Chapter Five: Questions, Projects, and Laboratory Exercises

Test what you've learned in the previous chapters!

These five chapters are appropriate for all courses teaching machine organization and assembly language programming.

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