

## Learning Guide Unit 7

### Overview

#### **UNIT 7: Assembler Language: Concepts and Techniques**

##### **Topics:**

- Developing high level data structures in assembler language
- Program translation

##### **Learning Objectives:**

By the end of this Unit, you will be able to:

- Develop high-level data structures using assembly language to solve complex programming problems.
- Identify differing coding practices and design principles in Python and Java.
- Explain program translation among different programming languages to illustrate semantic differences.

##### **Tasks:**

- Read the Learning Guide and the Reading Assignment
- Complete the Discussion Forum Assignment by posting in the Discussion Forum
- Respond to two of your fellow classmates' posts in the Discussion Forum
- Complete and submit the Assignment Activity
- Take and submit the Self-Quiz

