**CHAPTER 1: *An Overview of Computers and Programming Languages***

Introduction

A Brief Overview of the History of Computers

Computer Components and Operations

Input

Processing

Output

Categories/Types of Computers

Elements of a Computer System

CPU

Main memory

Secondary storage

Input/Output devices

Computer software

System software

Application software

Operating systems

The Language of a Computers

Storage / Memory Sizes

Computer Programs

Computer program

Programming language

Low-level language

High-level language

Machine language

Assembly language

Procedural languages

Structured languages

Object-Oriented Programming (OOP) Languages

Nonprocedural Programming Languages

Visual Programming Languages

History of C++ Programming Language

Understanding the Programming Process

The Problem Analysis-Coding Execution Cycle