

Practical Assignments for Day-2

Date: 10-07-2025

Concepts: Data Types, Const, Nullables, Readonly, type conversion

1. Implement the given Scenario using Console Application

Scenario: You're developing a configuration manager for a server application that defines system-wide settings, such as maximum connections and API keys. Some settings are fixed at compile-time, while others are set at runtime but immutable after initialization.

Class Name : Configuration Manager

Public Variables : maximum connections and API keys

2. Implement the given Scenario using Console Application.

Scenario: You're building an employee details where some fields, like a termination date, may not be applicable (e.g., for active employees). You need to handle nullable types and provide default values for missing data.

Class Name : Employee

Details : EmployeeId, Name, Job, TerminationDate

3. Study the following points:

- a. What is Object class in .net framework?
- b. What is boxing and unboxing ?
- c. Diff. between `int.Parse()` and `Convert.ToInt32()`