

# 30-Day C# Daily Checklist

- Week 1 – Fundamentals
  - Day 1: Install Visual Studio, Create Console App, Run Hello World
  - Day 2: Variables, Data Types, var & const
  - Day 3: Operators & Type Casting
  - Day 4: if/else, switch
  - Day 5: Loops (for, while, foreach)
  - Day 6: Methods & Overloading
  - Day 7: Mini Programs & Revision
- Week 2 – OOP
  - Day 8: Classes, Objects, Constructors
  - Day 9: Access Modifiers
  - Day 10: Encapsulation
  - Day 11: Inheritance
  - Day 12: Polymorphism
  - Day 13: Interfaces
  - Day 14: Mini Project
- Week 3 – Collections & Advanced Basics
  - Day 15: Arrays
  - Day 16: Collections (List, Dictionary)
  - Day 17: Exception Handling
  - Day 18: File Handling
  - Day 19: LINQ
  - Day 20: Date & Time
  - Day 21: Practice & Review
- Week 4 – Modern C#
  - Day 22: Enums & Structs
  - Day 23: Generics
  - Day 24: Delegates & Lambdas
  - Day 25: Async & Await
  - Day 26: Dependency Injection
  - Day 27: .NET Basics
  - Day 28: Unit Testing
  - Day 29: Final Project
  - Day 30: Refactor, GitHub Push & Review