Course introduction

What you will learn from this course ?

Learn C# language

Describe the .NET CLI features

Classify and explain C# built-in and custom types

Apprehend C# data structures

Describe error occurrence and implement an error handling logic

Learn delegates, lambdas and event-based programming

Explain LINQ internals and operators

Explain immutability and equality in C#
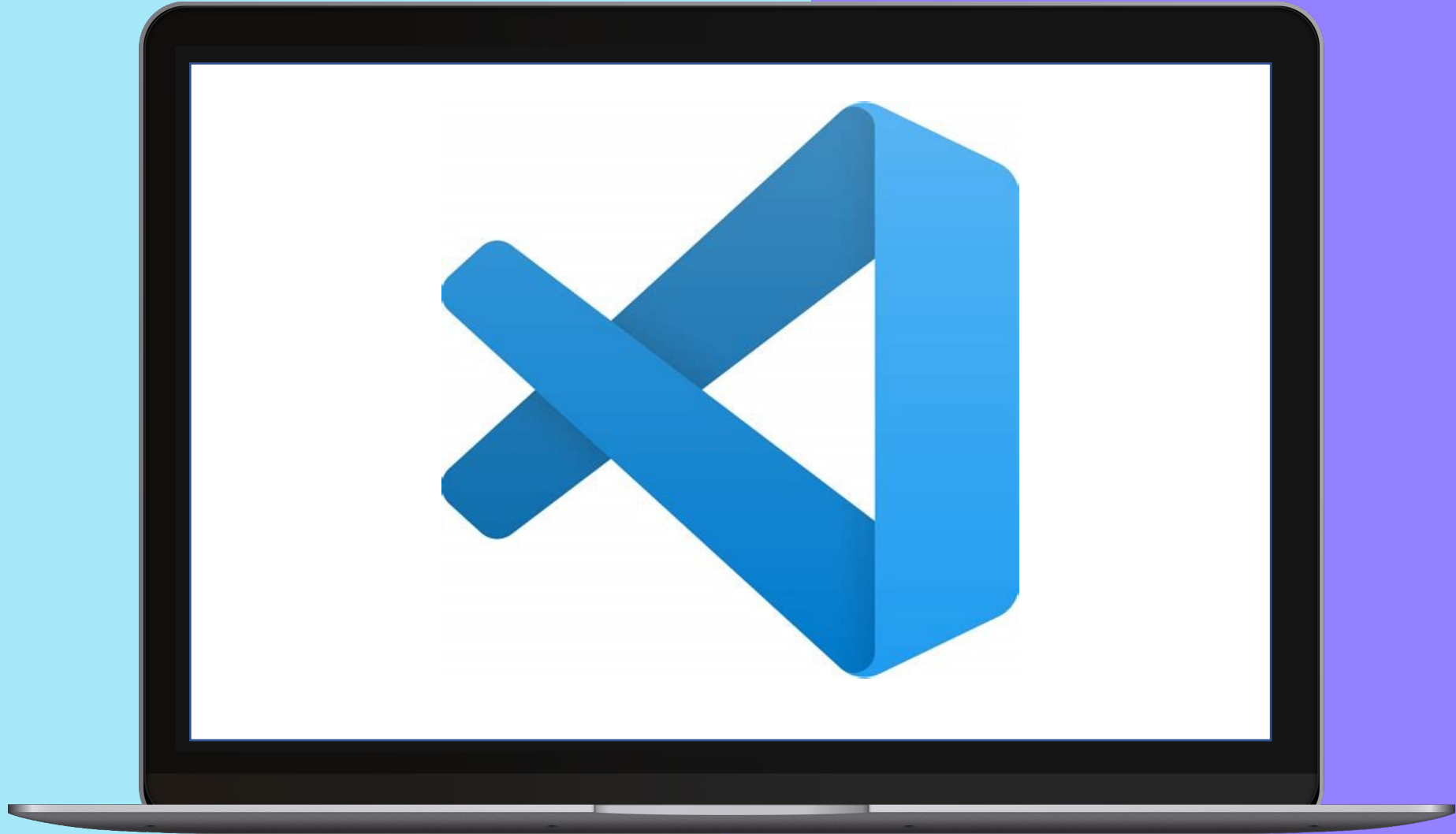
Understand and remember - Slides

Apply - Activities

Evaluate - Quizzes

Analyze and create – Coding exercises

Explore Visual Studio Code capabilities

Practice !!!

Who is this course for ?

Developers or students that want to learn C#

Developers or students that want to go further and learn more about C#

… but also, for people that are passionate about C#

Prerequisites

System requirements

Compatible version of Windows, Mac or Linux system

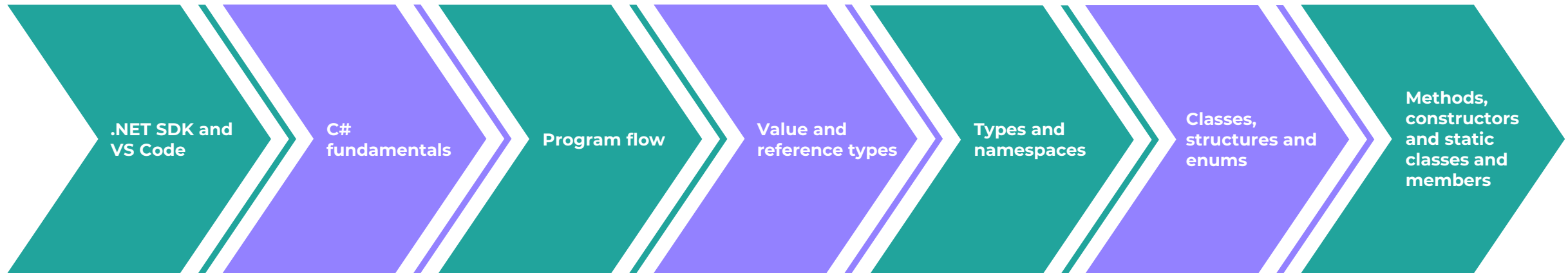You must know how to use your operating system

Knowledge prerequisites

Prior experience in software development

Basic knowledge of OOP concepts

Course overview

COURSE OVERVIEW (1-7)

.NET SDK and VS Code

C# fundamentals

Program flow

Value and reference types

Types and namespaces

Classes, structures and enums

Methods, constructors and static classes and members

COURSE OVERVIEW (15-21)

Lists and dictionaries

Other collections

Readonly and immutable collections

Errors in C#

Exception handling

Custom exceptions, exception good practices

Delegates, events and lambdas