

C# Fundamentals

C# - Get Started
C# - Version History
C# - First Program
C# - Keywords
C# - Class and Objects
C# - Namespace
C# - Variables
C# - Implicitly-Typed Variables
C# - Data Types
Numbers
Strings
DateTime
Structure
Enum
StringBuilder
Anonymous Types
Dynamic Types
Nullable Types
C# - Value & Reference Types
C# - Interface
C# - Operators
C# - if else Statements
C# - Ternary Operator ?:
C# - Switch
C# - For Loop
C# - While Loop
C# - Do-while Loop
C# - Partial Class
C# - Static
C# - Array
Multidimensional Array
Jagged Array
C# - Indexer
C# - Generics
Generic Constraints
C# - Collections
ArrayList
List
SortedList
Dictionary
Hashtable
Stack
Queue
C# - Tuple
C# - ValueTuple

C# - Built-in Exceptions

Exception Handling
throw
Custom Exception
C# - Delegates
Func Delegate
Action Delegate
Predicate Delegate
Anonymous Methods
C# - Events
C# - Covariance
C# - Extension Method
C# - Stream I/O
C# - File
C# - FileInfo
C# - Object Initializer
Conditions and Loops
Collections
Exception Handling, File Operations
Events and Delegates
OOPS Concept
Solid Principle
Design Patterns
EF Core Code-First Approach
EF Core Database-First Approach
Linq
Asp.NET Core Basic
MiddleWare
Exception Handling In Asp.Net Core
Logging in Asp.Net Core
Asp.NET MVC Structure
Model,View and Controller
Onion Architecture
Authorization and Authentication

Advanced C#

Ref, out, Tuple, object, dynamic, reflection, timezone conversion
functions - how it works
with web, Thread, Task, RestClient, SignalR, File Read/Write operations

React Js

ES6 Modules and Classes
Arrow Function
· Symbols
Iterators and Generators
Promises
ES6 Collections
● Installation
● Architecture
● Creating a React Application
● JSX
● React JS Eco-System, Lifecycle - Class Components and Functional Components
● Hooks
- useEffect
- useState
- useContext
- useRef
- useReducer
- useCallback
- useMemo
- useForm With Controller
- Custom Hooks
● States and Props
● Route
● API using Fetch / Axios
● Project Structure and importance of File System.
● Service Workers.
● JS VS JSX files.
● React Code Splitting.
● high-order Components.
● Properties (props)
● Event management
● State Management
● Form programming
● Redux and Toolkit
,createAsyncThunk Function
● Routing
● Material ui Library
ES6 rest, spread, destructuring, async, await, promise, find, filter, map, reduce, var, let, const