C# 9 cheat sheet

static void Main(string[] args)

[Conditional("DEBUG")]

DebugMessage();

{

}

Records public record Person(string FirstName, string LastName); Init only setters public struct WeatherObservation { public DateTime RecordedAt { get; init; } public decimal TemperatureInCelsius { get; init; } public decimal PressureInMillibars { get; init; } } Top-level statements using System; Console.WriteLine("Hello World!"); Pattern matching enhancements public static bool IsLetterOrSeparator(this char c) => c is (>= 'a' and <= 'z') or (>= 'A' and <= 'Z') or '.' or ','; Target-typed new expressions Dictionary<string, List<int>> field = new() { { "item1", new() { 1, 2, 3 } } **}**; static anonymous functions const int y = 1; MyMethod(static $x \Rightarrow x + y$); Lambda discard parameters (_, _) => 0 Attributes on local functions

static void DebugMessage() => Console.WriteLine("Debug only message");