

-What's enum data type, when is it used? Name three common built-in enums.

- **enum (enumeration)** is a value type that defines a set of **named constants** (integers by default).
- It's used to represent a group of related constants to make code **more readable** and **less error-prone**.

Used When:

- You want to give meaningful names to a set of numeric values (e.g., days, statuses, options).

Three Common Built-in Enums:

1. **DayOfWeek** – Represents days from Sunday to Saturday.
2. **ConsoleColor** – Used to set text/background color in the console.
3. **DialogResult** – Represents the result of a dialog box (OK, Cancel, etc.).

-Scenarios to use string vs StringBuilder

Use string when:

- You have **few or simple string operations**.
- You are working with **readable or formatted outputs**.
- **Performance is not critical**.

Use StringBuilder when:

- You need to do **many modifications** (append, insert, replace).
- You're building strings **in a loop** or with **large data**.
- You want **better performance and less memory usage** during concatenation.