

Part02:

1-What is copy constructor?

Ans: a **copy constructor** is a constructor that creates a new object by copying the data from an existing object of the same type.

2- What is Indexer, when used, as business mention cases u have to utilize it?

Ans: An **Indexer** is a special type of property in C# that allows an object to be indexed just like an array. It enables you to use the bracket notation ([]) on a class or struct instance to access internal data.

Essentially, it provides a way to treat an object as a **virtual array** or a **custom collection**.

Use an Indexer if:

- 1- The class represents a **collection** of similar items.
- 2- You want to simplify access to a **private internal array/list**.
- 3- The primary way to identify data is an **ID or Index**.