

1. When to use String vs. StringBuilder in C#?

String is used when you want an immutable sequence of characters. And StringBuilder is used when you'll operate appending/remove the sequence of characters i.e. mutable operation on string.

2. What is the base class for all arrays in C#?

System.Array

3. How do you sort an array in C#?

Array.Sort() or any sorting algorithm if assigned.

4. What property of an array object can be used to get the total number of elements in an array?

Length

5. Can you store multiple data types in System.Array?

Yes, System.Array is able to store different data type however an array object can only store element of single data type.

6. What's the difference between the System.Array.CopyTo() and System.Array.Clone()?

System.Array.CopyTo() is copying the element of an array to a existing array while System.Array.Clone() is creating a new array and that array is a shallow copy of the original one.