**Assignment –2**

**Test you knowledge**

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

String: Use for small or infrequent modifications; it’s immutable.

StringBuilder: Use for frequent or large modifications; it’s mutable and more efficient.

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

System.Array

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

Use Array.Sort(array).

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?

No, but you can use an object[] array to store different types.

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

CopyTo(): Copies elements to an existing array.

Clone(): Creates a new array with a shallow copy of elements.