**Basic String processing**

String is class and has properties and methods

Properties: (See list at [docs.microsoft.com](https://docs.microsoft.com/en-us/dotnet/api/system.string?view=netcore-3.1#properties))

|  |  |
| --- | --- |
| **TABLE 6** | |
| [Chars[Int32]](https://docs.microsoft.com/en-us/dotnet/api/system.string.chars?view=netcore-3.1#System_String_Chars_System_Int32_) | Gets the [Char](https://docs.microsoft.com/en-us/dotnet/api/system.char?view=netcore-3.1) object at a specified position in the current [String](https://docs.microsoft.com/en-us/dotnet/api/system.string?view=netcore-3.1) object. |
| [Length](https://docs.microsoft.com/en-us/dotnet/api/system.string.length?view=netcore-3.1#System_String_Length) | Gets the number of characters in the current [String](https://docs.microsoft.com/en-us/dotnet/api/system.string?view=netcore-3.1) object. |

Methods: (See complete list at [docs.microsoft.com](https://docs.microsoft.com/en-us/dotnet/api/system.string?view=netcore-3.1#methods))

|  |  |
| --- | --- |
| [Substring(Int32)](https://docs.microsoft.com/en-us/dotnet/api/system.string.substring?view=netcore-3.1#System_String_Substring_System_Int32_) | Retrieves a substring from this instance. The substring starts at a specified character position and continues to the end of the string. |
| [Substring(Int32, Int32)](https://docs.microsoft.com/en-us/dotnet/api/system.string.substring?view=netcore-3.1#System_String_Substring_System_Int32_System_Int32_) | Retrieves a substring from this instance. The substring starts at a specified character position and has a specified length. |

|  |  |
| --- | --- |
| [ToLower()](https://docs.microsoft.com/en-us/dotnet/api/system.string.tolower?view=netcore-3.1#System_String_ToLower) | Returns a copy of this string converted to lowercase. |
| [ToLower(CultureInfo)](https://docs.microsoft.com/en-us/dotnet/api/system.string.tolower?view=netcore-3.1#System_String_ToLower_System_Globalization_CultureInfo_) | Returns a copy of this string converted to lowercase, using the casing rules of the specified culture. |

|  |  |
| --- | --- |
| [ToUpper()](https://docs.microsoft.com/en-us/dotnet/api/system.string.toupper?view=netcore-3.1#System_String_ToUpper) | Returns a copy of this string converted to uppercase. |
| [ToUpper(CultureInfo)](https://docs.microsoft.com/en-us/dotnet/api/system.string.toupper?view=netcore-3.1#System_String_ToUpper_System_Globalization_CultureInfo_) | Returns a copy of this string converted to uppercase, using the casing rules of the specified culture. |

|  |  |
| --- | --- |
| **TABLE 7** | |
| [Compare(String, String)](https://docs.microsoft.com/en-us/dotnet/api/system.string.compare?view=netcore-3.1#System_String_Compare_System_String_System_String_) | Compares two specified [String](https://docs.microsoft.com/en-us/dotnet/api/system.string?view=netcore-3.1) objects and returns an integer that indicates their relative position in the sort order. |
| [CompareTo(Object)](https://docs.microsoft.com/en-us/dotnet/api/system.string.compareto?view=netcore-3.1#System_String_CompareTo_System_Object_) | Compares this instance with a specified [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object?view=netcore-3.1) and indicates whether this instance precedes, follows, or appears in the same position in the sort order as the specified [Object](https://docs.microsoft.com/en-us/dotnet/api/system.object?view=netcore-3.1). |
| [CompareTo(String)](https://docs.microsoft.com/en-us/dotnet/api/system.string.compareto?view=netcore-3.1#System_String_CompareTo_System_String_) | Compares this instance with a specified [String](https://docs.microsoft.com/en-us/dotnet/api/system.string?view=netcore-3.1) object and indicates whether this instance precedes, follows, or appears in the same position in the sort order as the specified string. |

|  |  |
| --- | --- |
| [Contains(Char)](https://docs.microsoft.com/en-us/dotnet/api/system.string.contains?view=netcore-3.1#System_String_Contains_System_Char_) | Returns a value indicating whether a specified character occurs within this string. |
| [Contains(String)](https://docs.microsoft.com/en-us/dotnet/api/system.string.contains?view=netcore-3.1#System_String_Contains_System_String_) | Returns a value indicating whether a specified substring occurs within this string. |

|  |  |
| --- | --- |
| [Equals(String)](https://docs.microsoft.com/en-us/dotnet/api/system.string.equals?view=netcore-3.1#System_String_Equals_System_String_) | Determines whether this instance and another specified [String](https://docs.microsoft.com/en-us/dotnet/api/system.string?view=netcore-3.1) object have the same value. |

|  |  |
| --- | --- |
| [Replace(Char, Char)](https://docs.microsoft.com/en-us/dotnet/api/system.string.replace?view=netcore-3.1#System_String_Replace_System_Char_System_Char_) | Returns a new string in which all occurrences of a specified Unicode character in this instance are replaced with another specified Unicode character. |
| [Replace(String, String)](https://docs.microsoft.com/en-us/dotnet/api/system.string.replace?view=netcore-3.1#System_String_Replace_System_String_System_String_) | Returns a new string in which all occurrences of a specified string in the current instance are replaced with another specified string. |