**String Handling**

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| Indexer | Description |
| [index] | Get the character at the specified position |
| Property |  |
| Length | Gets the number of characters in the string |
| Method |  |
| StartsWith(string) | Return a Boolean value that indicates whether or not the string starts with the specified string |
|  | Return a Boolean value that indicates whether or not the string ends with the specified string |
| IndexOf(string[,startIndex] | Returns an integer that represents the position of the first occurrence of the specified string starting at the specified position |
| LastIndexOf(string[,startIndex]) | Returns an integer that represents the position of the last occurrence of the specified string starting at the specified position |
| Insert(startIndex,string) | Return a string with the specified string inserted beginning at the specified location |
| PadLeft(totalWidth) | Return a string that’s right aligned and padded on the left with spaces so it is the specified length |
| PadRight(totalWidth) | Return a string that’s left aligned and padded on the right with spaces so it is the specified length |
| Remove(startIndex,count) | Return a string with the specified string removed beginning at the specified location |
| Replace(oldString,newString) | Returns a string with all occurrences of the old string replaced with the new string |
| Substring(StartIndex[,length]) | Return a string that starts at the specified position and has the specified length |
| ToLower() | Returns a string in lowercase |
| ToUpper() | Returns a string in uppercase |
| Trim() | Return a string with leading an trailing spaces removed |
| Split(SplitCharacters) | Return an array of type string where each element is a substring that delimited by the specified character or characters |

**String Questions**

**Question 1**

Write method that prints out every character in a string that is passed to it as an argument.

**Question 2**

Write method that prints out every third character in a string that is passed to it as an argument.

**Question 3**

Write a method that receives a string as an argument and returns the number of times the character ‘x’ or ‘y’ appears in the string.

**Question 4**

Write a method that that accepts a string variable as an argument and returns a new string made up of every alternate 3 characters (e.g “**abc**def**ghi**j” will return “abcghi”);

**Question 5**

Write a method that returns true if the string that is passed to it as an argument starts with a numeric character.

**Question 6**

Write a method that accepts a string variable as an argument and returns a new string with a ‘-‘ inserted after every third character (e.g. “ 97755512312” will return “977-555-123-12”)

**Question 7**

Write a method that accepts a string variable as an argument and returns a new string with the characters ‘$’, ‘%’, ‘,’ ‘ ‘ stripped out of it. (e.g. “abc$$kh% gg,” will return “abckhgg”

**Question 8**

Write a method that accepts a string variable as an argument and returns *true* if the argument ends with “.com”. Otherwise the method should return *false*.

**Question 9.**

Develop a program to send and receive a coded message