

Engr 123
String Problems

March 15, 2017

1. If the string `s = "Hello Mom!"`, write a short sequence to print this string in reverse order.

2. Suppose that two strings are defined using the string class as follows:

```
string str1 = "Hello Mom! I like Jello.";
string str2 = "Dogs don't care much for Jello";
```

A) Write a short sequence to concatenate the two strings and print the length of the resulting string.

B) Write a loop that searches through the concatenated string and counts the number of spaces. Print this number to the console.

3. Given the following string: "I like green jello on St. Patrick's Day." Write a short sequence to print the words of this sentence in a column like this:

```
I
like
jello
...
```

4. Given the sentence "Yes! I like bananas". Use the string functions to insert the word "don't" into this sentence so that it reads "Yes! I don't like bananas".

5. Show what each of the following sequences using string operations prints. In each case, the sequence is preceded by the following declarations:

```
int n = 0;
string s1 = "Mississippi";
string s2 = "abcfed";
string s3 = "Geronimo";
```

A)
`Console.WriteLine(s1[7]);`
;

D)
`if(s1.Compare(s2) == -1)`
`ConsoleWriteLine(s3);`
`else`
`ConsoleWriteLine(s1);`

F)
`n = s1.IndexOf("cd");`
`Console.WriteLine(n);`

B)
`n = s1.Compare(s2);`
`Console.WriteLine(n);`

E)
`s1 = s2 + s3;`
`Console.WriteLine(s1)`
;

G)
`n = s1.Length;`
`Console.WriteLine(n);`

C)
`s1 = s1.ToUpper();`
`Console.WriteLine(s1+s2);`

F)
`s1 = s3.Substr(4, 4) + s2;`
`Console.WriteLine(s2);`

H)
`s2=s1.Replace("is","si");`