

# WEEK 4 - ASSIGNMENT 4

## SPLITTING AND JOINING

### NOTE:

- No need to submit anywhere, just keep track of all the PDF you made in a specific folder.
- Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.
- You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.

**Q1.** Ask a string from user. If the length of string is **odd**, then change all the capital letters to small and vice versa, but if the length of string is **even**, reverse the string. Do this using a function and return the output.

```
# Example 1
a = AEroPLane

r = changeString(a)
print(r)

# Output
aeROpLANE

# Example 2
a = AEroPLanes

r = changeString(a)
print(r)

# Output
senalPørEA
```

**Q2.** Write a function which accepts a String as a parameter and return the list of words.

```
my_string = "python is great"

w = words(my_string)
print(w)

# Output
['python', 'is', 'great']
```

**Q3.** Write a function which accepts a String as a parameter and return the reversed words as a String.

```
# Example 1
my_string = "python is great"

w = reverseWords(my_string)
print(w)

# Output
great is python

# Example 2
my_string = "we live in delhi. there is no pollution,very clean city"

w = reverseWords(my_string)
print(w)

# Output
city clean pollution,very no is there delhi. in live we
```

**Q4.** Ask 5 integers from user. Then ask a single character from user. Print those integers separated by that character entered by user.

```
# Example 1
```

```
Enter number 1 = 56
```

```
Enter number 2 = 96
```

```
Enter number 3 = 5
```

```
Enter number 4 = 41
```

```
Enter number 5 = 2
```

```
Enter a character = *
```

```
56*96*5*41*2
```

```
# Example 2
```

```
Enter number 1 = 652
```

```
Enter number 2 = 6963
```

```
Enter number 3 = 557
```

```
Enter number 4 = 12
```

```
Enter number 5 = 114
```

```
Enter a character = !!
```

```
652!!6963!!557!!12!!114
```

**Q5.** Write a function which accepts a String as a parameter and return each word being in reverse.

```
# Example 1
```

```
my_string = "python is great"
```

```
w = reverseWords(my_string)
```

```
print(w)
```

```
# Output
```

```
nohtyp si taerg
```

```
# Example 1
```

```
my_string = "we live in delhi. there is no pollution,very clean city"
```

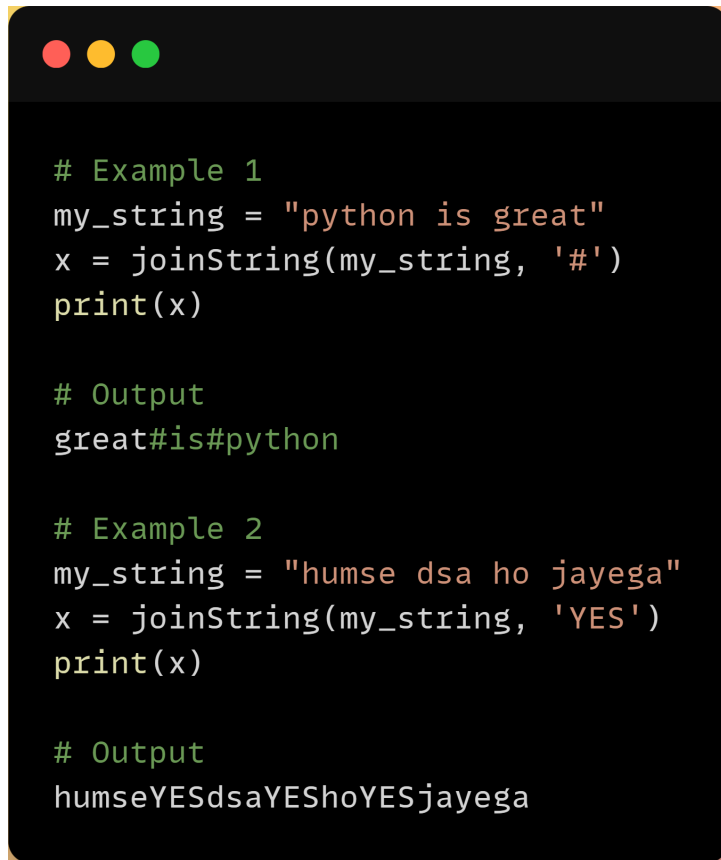
```
w = reverseWords(my_string)
```

```
print(w)
```

```
# Output
```

```
ew evil ni .ihled ereht si on yrev,noitullop naelc ytic
```

**Q6.** Write a function which accepts a String and another string (which will be a single character) as a parameter. Join that string along with that character.



```
# Example 1
my_string = "python is great"
x = joinString(my_string, '#')
print(x)

# Output
great#is#python

# Example 2
my_string = "humse dsa ho jayega"
x = joinString(my_string, 'YES')
print(x)

# Output
humseYESdsaYEShoYESjayega
```

**Q7.** Write a function which accepts a String and another string (which will be a single character) as a parameter. Join that string along with that character but in reverse.



```
# Example 1
```

```
my_string = "python is great"  
x = joinReverse(my_string, '#')  
print(x)
```

```
# Output
```

```
great#is#python
```

```
# Example 2
```

```
my_string = "humse dsa ho jayega"  
x = joinReverse(my_string, '@')  
print(x)
```

```
# Output
```

```
jayega@ho@dsa@humse
```