

# ASSIGNMENT

## SPLITTING AND JOINING

**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
senalPorEA
```

**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
```