Basic String Assignment 1

1. Python program to check whether the string is Symmetrical or Palindrome

   Example:

   Input: khokho

   Output: The entered string is symmetrical

   The entered string is not palindrome

   Input:amaama

   Output: The entered string is symmetrical

   The entered string is palindrome

2. Reverse words in a given String in Python

   Examples:

   Input : str = Although 8 that way may not be obvious at first unless you're Dutch

   Output : str = Dutch you're unless first at obvious be not may way that 8 Although

3. Write a Python program to remove i'th character from string in Python

   Example:

   The original string is : peter piper picked a peck of pickled peppers.

   The string after removal of i'th character : eter piper picked a peck of pickled peppers.

4. Find length of a string in python (4 ways)¶

   Examples

   Input : 'abc' Output : 3

   Input : 'hello world !' Output : 13

   Input : ' h e l l o ' Output :14

5. Write a Python program to print even length words in a string

Example:

Input: s = "This is a python language"

Output: This is python language

Input: s = "Welcome to Learnbay"

Output: am muskan

6. Write a Python program to Uppercase Half String

Example:

Input : test_str = 'Thisisapythonlanguage'

Output : ThisisapytHONLANGUAGE

Input : test_str = 'apples'

Output : appLES

7. Write a Python program to capitalize the first and last character of each word in a string

Examples:

Input: hello world

Output: HellO WorlD

Input: welcome to learnbay

Output: WelcomE TO LearnbaY

8. Write a Python program to check if a string has at least one letter and one number.

Example:

Input: welcome2ourcountry34

Output: True

Input: stringwithoutnum

Output: False

9. Write a Python progra to accept the strings which contains all vowels

   Examples :

   Input : Learnbay

   Output : Not Accepted All vowels except 'o' are not present

   Input : ABeeIghiObhkUul

   Output : Accepted All vowels are present

10. Write a Python program to Count the Number of matching characters in a pair of string

    Examples:

    Input :

    str1 = 'abcdef'

    str2 = 'defghia'

    Output : 4 (i.e. matching characters :- a, d, e, f)

    Input :

    str1 = 'aabcddekll12@'

    str2 = 'bb22ll@55k'
    Output : 5 (i.e. matching characters :- b, 1, 2, @, k)