String

Q1.

1. Name the function that count total number of chars in any given string
2. How can you create an empty string
3. A string called **string**  contains white spaces at the right hand side of the string as given below

String =” Hi Rakesh “

Write python statement to remove all the white spaces from the right hand side

1. Explain the string method **swapcase()**
2. What will be the output of the following statements when two strings str1 and str2 contains “Delhi” and “new Delhi”
   1. Bvalue = str1>str2
   2. Bval = str1.lower() <str2
3. What is negative index in Python
4. Write python statements to perform the following
   * 1. Assign x as converted string of digits “12345.67” to float type
     2. Assign y as converted integer of string bval =100
5. Differentiate between upper() and isupper() method of string

Q.2

1. What will be the output of the following program code?

Str = “MyPython Programming”

Ctr = len(str)

* 1. Print(str[0:5]) b) print(str[1:5])
  2. Print(str[:-4]) d) print(str[0:16])

1. What will be the output of the following program segment

*str = “cBseTodaY”*

*nstr=””*

*for i in range(len(str)):*

*if str[i].isupper() :*

*nstr = nstr +str[i].lower()*

*else:*

*nstr = nstr + str[i].upper()*

*print(nstr)*

1. Find out the output of the following program segment

*str =” This is a wonderful python program”*

*nstr=””*

*for i in str:*

*if i.isspace():*

*nstr = nstr+”-“*

*else:*

*nstr = nstr+i*

*print(nstr)*

1. Write a program in python to read a string and convert every second char in uppercase.

Example: string =”this is me and this is”

Result : ThIs Is Me AnD ThIs iS

1. Write a program to print every character of a string entered by user in a new line using loop.
2. Write a program in python to enter any string from keyboard. Find out its reverse string and display on the screen.

Example :

string = “rakesh kumar”

Result : ramuk hsekar

1. Write a program to find the length of the string "refrigerator" without using **len** function
2. Write a program to check if the letter 'e' is present in the word 'Umbrella'.
3. Write a program to check if the word 'orange' is present in the "This is orange juice".
4. Check the occurrence of the letter 'e' and the word 'is' in the sentence "This is umbrella".
5. Write a program to find the number of vowels, consonants, digits and white space characters in a string
6. Write a program that takes your full name as input and displays the abbreviations of the first and middle names except the last name which is displayed as it is. For example, if your name is **Robert Brett Rose**r, then the output should be **R.B.Rose**r.
7. Write a program to check if a given string is a Palindrome. A palindrome reads same from front and back e.g.- aba, madam, mom, radar, nitin etc.
8. write a program to find the first and the last occurence of the letter 'o' and character ',' in "Hello, World"
9. Write the string after the first occurrence of ',' and the string after the last occurrence of ',' in the string "Hello, Good, Morning". World".
10. Write a program to make a new string with all the consonants deleted from the string "Hello, have a good day".
11. Write a program to find out the largest and smallest word in the string "This is an umbrella".
12. Write a program to make a new string with the word "the" deleted in the sentence "This is the lion in the cage".