

String Slicing in Python Exercise

What is String Slicing in Python?

String slicing in Python is to obtain a substring from the main string. Slice of string means part (substring) of string.

Syntax of String Slicing in Python

<String Name>[Start : Stop : Step]

Start : A position from where we have to start the cutting of string.

Stop : A position before what we have to cut the string.

Step : Number of characters to be skipped during string slicing in python.

NOTE : Position of stop is not included in the slicing

By default Start is 0

By default Step is 1

Q1. Write the Answers of the following in reference to given String:

Str = “string slicing”

Str	s	T	r	i	n	g		s	l	i	C	i	n	g
+ve Index	0	1	2	3	4	5	6	7	8	9	10	11	12	13
-ve Index	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1

Find Output

a) print(str[3 : 6])

b) print(str[4 : 10])

c) print(str[:])

d) print (str[7 :])

e) print(str[-7 :])

f) print(str[-9 : -3])

g) print(str[2 : 10 : 2])

h) print(str[-1 : -1 : -1])

h) print(str[-11 : -4])

i) print(str[-14 : : -3])

j) print(str[: : -3])

Exercise of String Slicing – 1

Q1. Write the output of the following code

str = “Welcome to my blog”

a. print(str [3 : 18])

b. print (str[2 : 14 : 2])

c. print(str [: 8])

- d. `print(str[8 : -1 : 1])`
- e. `print(str [-9 : -15])`
- f. `print(str[0 : 9 : 3])`
- g. `print(str[9 : 29 : 2])`
- h. `print(str[-6 : -9 : -3])`
- i. `print(str[-9 : -9 : -1])`
- j. `print(str[8 : 25 : 3])`

Exercise of String Slicing – 2

Q1. Write the output of the following :

str = “String Slicing in Python”

- a) `print(str [13 : 18])`
- b) `print(str[-2 : -4 : -2])`
- c) `print(str [12 : 18 : 2])`
- d) `print(str[-17 : -1 : 1])`
- e) `print(str[-6 : -20 : -2])`
- f) `print(str[0 : 9 : 3])`
- g) `print(str[19 : 29])`
- h) `print(str[-6 : -9 : -3])`
- i) `print(str[-9 : -0 : -1])`
- j) `print(str[2 : 16 : 3])`

Programs Based on String Slicing

Q1. Accept a string from the user and display the string with first character of each word Capital. (Without using inbuilt function)

Q2. Write a program to accept a string from the user and display n characters from the left of the string. (Accept n from the user)

Q3. Write a program to reverse the string using slicing.

Q4. Write a program to accept a string from the user and display n characters from the right of the string. (Accept n from the user)

Q5. Accept a String from the user and display first two characters of each word in same line separated by space.