

## Quiz 1: Strings Quiz \*\*\* Test Your Knowledge \*\*\*

Question 1:

Which of the following variables is a string?

☐ a=10

☐ a="10"

☐ a='10'

☐ x="abc"

☐ x=abc

☒ 2, 3, and 4

☐ None of the above

Question 2:

Which of the methods can be used to find the length of the string `a="great stuff"`?

☒ `len(a)`

☐ `length(a)`

☐ `count(a)`

☐ `a.length()`

Question 3:

Assume you have a string, `a = "one two three"`.

How can you put the items of the string into a list?

Example: `l = ['one', 'two', 'three']`

☐ `l=split(a)`

☒ `l=a.split()`

☐ All of the above

☐ None of the above

Question 4:

What are the different ways to retrieve 'c' in the string, x='abc'?

☐ x[1]

☐ x[2]

☐ x[-1]

☒ 2 and 3

☐ All of the above

☐ None of the above

Question 5:

Which of the following expression will output "I am loving python language"

`a="am"`

`b="language"`

☐ `print("I " + "a" + " loving python " + "b")`

☐ `print("I " + a + " loving python " + b)`

☐ `print("I %s loving python %s" %(a, b))`

☐ All of the above

☒ 2 and 3

☐ None of the above

Question 6:

Find the output of `a[2]` for string `a="test"`

☐ "t"

☒ "e"

☐ "tes"

☐ "test"

Question 7:

Which expression will output 'n' from the string `a='language'`?

☐ `a[0]`

☐ `a[1]`

☒ `a[2]`

☐ `a[3]`

## Quiz 2: List Quiz \*\*\* Test Your Knowledge \*\*\*

Question 1:

List is mutable

☒ True

☐ False

Question 2:

Which of the expression can be used to find out the number of times an element exist in a list?

l=[1, 2, 3, 2, 1, 2], In this list which expression can be used to find out number of '2' in the list?

☐ len(l)

☐ len(2)

☒ l.count(2)

☐ l.count(l)

Question 3:

Which of the expressions can be used to find out the number of elements in the list?

`l=[1, 2, 3, 1, 2, 2]`

☒ `len(l)`

☐ `count(l)`

☐ All of the above

☐ None of the above

Question 4:

Which of the expressions will print the last 2 elements of the list?

`l=[1, 2, 3, 3, 2, 1]`

☐ `print(l[4:])`

☐ `print(l[-2:])`

☐ `print(l[4:6])`

☐ `print(l[2:6])`

☒ 1, 2 and 3

☐ All of the above

☐ None of the above



### Quiz 3: Dictionary Quiz \*\*\* Test Your Knowledge \*\*\*

Question 1:

Which of the following expression can be used to create a dictionary "d" with key "airport code" and value "city"?

☐ `d={"sfo": "San Francisco", "nyc": "New York"}`

☐ `d={}`  
`d["sfo"]="San Francisco"`  
`d["nyc"]="New York"`

☐ `d = new dict()`  
`d["sfo"]="San Francisco"`  
`d["nyc"]="New York"`

☒ 1 and 2

☐ All of the above

☐ None of the above

Question 2:

Which expression can be used to find the city name "New York" in the dictionary `d={"sfo": "", "nyc": "New York", "lhr": "London"}`?

☒ `d["nyc"]`

☐ `d[nyc]`

☐ `d.nyc`

☐ `d[1]`

Question 3:

Dictionaries are indexed

☒ False

☐ True

Question 4:

Given a nested dictionary `d={"key1": [1, 2, 3], "key2": [4, 5, 6], "key3": [7, 8, 9]}`.

What is the output of `d["key1"][2]`?

☐ 1

☐ 2

☒ 3

☐ None of the above

Question 5:

**Dictionaries are mutable**

☐ True

☐ False

## Quiz 4: Tuple Quiz \*\*\* Test Your Knowledge \*\*\*

Question 1:

What is the correct way to create a tuple?

☒ `t=(1, 2, 3)`

☐ `t=[1, 2, 3]`

☐ `t={1, 2, 3}`

Question 2:

Given a tuple `t=(1, 2, 3)`

Is it allowed to change the value of index like `t[0] = 2`?

☒ False

☐ True

Question 3:

Given a tuple `t=(10, 20 , 30)`

Which expression can be used to find the index of element 20?

☒ `t.index(20)`

☐ `t.index(1)`

☐ `t.indexof(20)`

## Quiz 5: Comparison And Boolean Operators Quiz \*\*\* Test Your Knowledge \*\*\*

Question 1:

What should be the output of the following expression?

$100 > 10$

☒ True

☐ False

Question 2:

Assume

$a = 100$

$b = a + 100$

What should be the output of the following expression?

$a > b$

☐ True

☒ False

Question 3:

What should be the output of the following expression?

$100 \geq 100$

☒ True

☐ False

Question 4:

What should be the output of the following expression?

$10 < 20 > 30$

☐ True

☒ False

Question 5:

What should be the output of the following expression?

$30 \geq 20 \geq 10$

☒ True

☐ False