

Quiz 1:

Question 1

What symbol is used to create a list in Python?

Option A

{ }

Option B

()

Option C

[]

Option D

< >

Question 2

What does the term zero indexing mean in Python?

Option A

Lists start counting from 1

Option B

Lists start counting from 0

Option C

Lists start counting from -1

Option D

Lists have no indexes

Question 3

Which of the following is a valid Python list?

Option A

1, 2, 3

Option B

[1, 2, 3]

Option C

{1, 2, 3}

Option D

(1, 2, 3)

Question 4

What is the output of the following code?

```
names = ['jane', 'john', 'alex']
```

```
print(names[1])
```

Option A

jane

Option B

john

Option C

alex

Option D

error

Question 5

What is the data type of `['red', 'blue', 'green']`?

Option A

Tuple

Option B

Dictionary

Option C

List

Option D

string

Question 6

Which statement correctly stores a list in a variable?

Option A

`mylist = (1,2,3)`

Option B

`mylist = [1,2,3]`

Option C

`[1,2,3] = mylist`

Option D

`mylist = {1,2,3}`

Question 7

How many elements does the list `colors = ['red', 'green', 'blue']` contain?

Option A

2

Option B

3

Option C

4

Option D

0

Question 8

What happens if you try to access `names[3]` when *names* = `['jane', 'john', 'alex']`?

Option A

It prints 'alex'

Option B

It prints 'jane'

Option C

It gives an error

Option D

It prints nothing

Question 9

Which of these lists mixes different data types?

Option A

`[1, 2, 3]`

Option B

`['a', 'b', 'c']`

Option C

`[True, 1, 'yes']`

Option D

`[5, 10, 15]`

Question 10

What does *names*`[0]` represent?

Option A

The first item

Option B

The last item

Option C

The second item

Option D

None

Question 11

What is a method in Python?

Option A

A type of loop

Option B

A built-in variable

Option C

An action that belongs to an object

Option D

A comment line

Question 12

How do you call a method in Python?

Option A

object-method()

Option B

object.method()

Option C

method(object)

Option D

object_method

Question 13

What is the output of 'hello'.upper()?

Option A

hello

Option B

HELLO

Option C

Error

Option D

'Hello'

Question 14

What will 'banana'.count('a') return?

Option A

6

Option B

3

Option C

2

Option D

1

Question 15

What is the purpose of parentheses in a method call?

Option A

They are optional

Option B

They contain arguments

Option C

They create a list

Option D

They indicate a comment

Question 16

Which of the following is NOT a valid method call?

Option A

`'text'.upper()`

Option B

`'text'.count('t')`

Option C

`upper.'text'()`

Option D

`'text'.lower()`

Question 17

How is a method different from an attribute?

Option A

A method has parentheses; an attribute doesn't

Option B

They are the same

Option C

An attribute performs an action

Option D

A method stores data

Question 18

Which of the following examples shows an attribute, not a method?

Option A

'word'.upper()

Option B

'data'.count('a')

Option C

response.text

Option D

'hi'.title()

Question 19

What is the dot in 'abc'.upper() used for?

Option A

Multiplying numbers

Option B

Joining two lists

Option C

Connecting the object to its method

Option D

Ending a line

Question 20

What kind of data can methods act upon?

Option A

Only numbers

Option B

Only strings

Option C

Specific types of objects

Option D

None of the above

Question 21

What is a function?

Option A

A list of variables

Option B

A reusable block of code that accepts input and returns output

Option C

A comment block

Option D

A method for lists

Question 22

What will `abs(-10)` return?

Option A

10

Option B

-10

Option C

0

Option D

Error

Question 23

What is the output of `round(4.7)`?

Option A

4.7

Option B

5

Option C

4

Option D

6

Question 24

How many arguments does `max(3, 7)` have?

Option A

0

Option B

1

Option C

2

Option D

3

Question 25

What is the general syntax of a function?

Option A

function name(argument)

Option B

```
def function_name(argument):  
    function body
```

Option C

```
function = argument()
```

Option D

```
function(argument):
```

Question 26

Which of the following is a built-in Python function?

Option A

```
.append()
```

Option B

```
abs()
```

Option C

```
.upper()
```

Option D

```
.count()
```

Question 27

What does `min(5, 9, 2)` return?

Option A

9

Option B

2

Option C

5

Option D

Error

Question 28

Which of the following correctly imports a function from a library?

Option A

`from library import function`

Option B

`import library.function()`

Option C

`library(function)`

Option D

`from function import library`

Question 29

How is a function different from a method?

Option A

Functions belong to objects, methods don't

Option B

Methods belong to objects, functions don't

Option C

They are the same

Option D

Methods can't take arguments

Question 30

Which of the following statements best summarizes when to use each?

Option A

Use lists to store data, methods to act on data, and functions for general tools

Option B

Use functions for storing, methods for printing, and lists for numbers

Option C

Use methods for input, functions for output, and lists for loops

Option D

Use only functions for everything

QUIZ 2

1. Which of the following creates an empty list in Python?

Option A

`list = ()`

Option B

`list = {}`

Option C

`list = []`

Option D

|

2. `fruits = ['apple', 'banana', 'cherry']`

`print(fruits[-1])`

Option A

apple

Option B

banana

Option C

cherry

Option D

Error

What is returned by `'apple'.find('p')`?

Option A

0

Option B

1

Option C

2

Option D

-1