

Your score: 85% 85 / 100

1. What is the output of `print(2 ** 3)?`

5 / 5 points

Your Answer: ✓ Correct 8 6 5 16**Explanation:****** is known as power operator in python. $2^{**}3=2^2\cdot2=8$**

2. Which of the following statements is used for comment in Python?

5 / 5 points

Your Answer: ✓ Correct // comment # comment /* comment */ -- comment**Explanation:****To add comment in python hashtag # is used.**

3. How do you open a file named "example.txt" in read mode?

0 / 5 points

Your Answer: ✗ Incorrect file = open("example.txt", "r") file = read("example.txt") file = open("example.txt", "read") file = read_file("example.txt")**Explanation:****open function is used to open the file which takes two arguments path of the file and mode.**

4. What is the result of the expression $3 + 4 * 2?$

5 / 5 points

Your Answer: ✓ Correct 14 17 11 20**Explanation:****According to the operator precedence firstly we will solve $4*2=8$ then $8+3= 11$.**

5. How do you check the length of a list named "my_list" in Python?

5 / 5 points

Your Answer: ✓ Correct len(my_list) count(my_list) size(my_list)

length(my_list)

Explanation:

Len() function is used to display the length of a list. It takes name of the list as argument.

6. What does the pass statement do in Python? 5 / 5 points

Your Answer: ✓ Correct

- Terminates the program
- Skips the current block of code
- Executes a function
- Breaks out of a loop

Explanation:

Pass statement in python skips the current iteration of the loop.

7. Which data type is mutable in Python? 5 / 5 points

Your Answer: ✓ Correct

- int
- str
- tuple
- list

Explanation:

mutable datatype are the datatype which can be edited list is and example of mutable datatype.

8. How do you remove an item from a list in Python? 5 / 5 points

Your Answer: ✓ Correct

- remove(item)
- pop(index)
- delete(item)
- discard(item)

Explanation:

Remove function is used to remove item from a list. It takes item as argument.

9. What is the purpose of the with statement in Python? 5 / 5 points

Your Answer: ✓ Correct

- To create a loop
- To handle exceptions
- To open and close files automatically
- To define a class

Explanation:

With statement is used to open and close files automatically.

10. What is the difference between append() and extend() methods in Python? 5 / 5 points

Your Answer: ✓ Correct

- They are used interchangeably

append() adds one element, extend() adds multiple elements

extend() adds one element, append() adds multiple elements

There is no difference

Explanation:

We can add a single element using append function and multiple elements using extend method.

11. Which of the following is a valid way to create a dictionary in Python? 5 / 5 points

Your Answer: Correct

(1="one", 2="two")

{1:"one", 2:"two"}

[1:"one", 2:"two"]

("one", "two")

Explanation:

To create a dictionary you need to write like {1:"one",2:"two"}

12. What does the break statement do in Python? 5 / 5 points

Your Answer: Correct

Terminates the loop or program

Skips the current iteration of a loop

Continues to the next iteration of a loop

Raises an exception

Explanation:

Break statement is used to terminate the loop or program.

13. What is the purpose of the map() function in Python? 0 / 5 points

Your Answer: Incorrect

To apply a function to each element of an iterable

To create a new dictionary

To filter elements from an iterable

To reverse the order of elements in an iterable

Explanation:

Map() is used with lambda function to apply a particular function to a iterable object like list.

14. How do you check if a key is present in a dictionary? 0 / 5 points

Your Answer: Incorrect

key in dict

contains(key, dict)

key.exists(dict)

dict.contains(key)

Explanation:

In operator is used to check the presence of a item in iterable object.

15. What is the output of print("Hello" + 3)? 5 / 5 points

Your Answer: Correct

Hello3

✓ TypeError

HelloHelloHello

Hello2

Explanation:

We can not add 3 with string it will produce an

16. Which of the following is a correct way to import a module named "example" in Python? 5 / 5 points

Your Answer: ✓ Correct

✓ import example

include example

require example

from example import *

Explanation:

To import the file in python import keyword is used.

17. How do you round a number to two decimal places in Python? 5 / 5 points

Your Answer: ✓ Correct

✓ round(number, 2)

truncate(number, 2)

decimal(number, 2)

format(number, 2)

Explanation:

Round function is used to remove the decimal places. There are two arguments one is variable name and value to shift decimal.

18. What is the purpose of the strip() method for strings in Python? 5 / 5 points

Your Answer: ✓ Correct

✓ Removes leading and trailing whitespaces

Concatenates two strings

Converts the string to uppercase

Splits the string into a list

Explanation:

It is a method of string which is used to remove whitespaces from the left and right

19. How do you find the maximum value in a list named "numbers" in Python? 5 / 5 points

Your Answer: ✓ Correct

✓ max(numbers)

maximum(numbers)

find_max(numbers)

numbers.max()

Explanation:

Max function is used fine the maximum of a particular value.

20. Which of the following is an example of a tuple in Python? 5 / 5 points

Your Answer: ✓ Correct

[1, 2, 3]

✓ (1, 2, 3)

{1, 2, 3}

{"one": 1, "two": 2}

Explanation:

tuple is stored in round brackets hence (1,2,3) is tuple