

Working with strings

Work with lists and develop algorithms

Regular expressions

Review: Work with strings and lists

📺

Video: Wrap-up

1 min

📖

Reading: Glossary terms from week 3

10 min

✅

Quiz: Weekly challenge 3

10 questions

🎉 Congratulations! You passed!

Grade received 90%

Latest Submission 100% 50 min

Quiz • 50 min

Weekly challenge 3

To pass 80% or higher

Retake the assignment in 23h 54m

Go to next item

Review Learning Objectives

1. What is the output of the following code?

```
print(len("123"))
```

📝 Submit your assignment

☐ 10

☐ 8

☒ 3

☐ 5

👍 Correct

👍 Like

👎 Dislike

📄 Report an issue

2. What is the result when `.upper()` is applied to a string?

- ☐ The value of the string is reassigned to contain all uppercase letters.
- ☐ The value of the string is reassigned to the value of the string in the line preceding it.
- ☐ The character that appears most frequently in the string is extracted from it and returned.
- ☒ A copy of the string is returned with all uppercase letters.

👍 Correct

3. In the string `"network"`, which character has an index of 1?

☒ "e"

☐ "n"

☐ "k"

☐ "L"

👍 Correct

4. You need to take a slice from a device ID. Specifically, you must extract the characters with indices of 8, 9, and 10. Complete the Python code to take this slice and display it. (If you want to undo your changes to the code, you can click the Reset button.)

```
1 device_id = "U899v381w363"
2 print(device_id[8:11])
```

Run

Reset

What string does the code output?

☐ "81w"

☒ "w36"

☐ "1w3"

☐ "363"

👍 Correct

5. What is the output of the following code?

```
list1 = [1, 2, 3]
```

```
list2 = ["a", "b", "c"]
```

```
print(list1 + list2)
```

☐ An error message

☒ [1, 2, 3, "a", "b", "c"]

☐ [6, "abc"]

☐ [1, "a", 2, "b", 3, "c"]

👍 Correct

6. A variable named `my_list` contains the list `[1, 2, 3, 4]`. Which line of code adds the element `5` to the end of the list?

☐ `my_list.insert(4, 5)`

☒ `my_list.insert(5, 5)`

☐ `my_list.insert(5, 4)`

☐ `my_list.insert(5)`

❌ Incorrect

Please review [the video on list operations](#) ↗.

7. What is an algorithm?

- ☒ A set of rules to solve a problem
- ☐ A function that finds matches to a pattern
- ☐ A function that returns information
- ☐ A set of guidelines to keep code consistent

👍 Correct

8. What does the `\w` symbol match to in a regular expression?

- ☐ Any number
- ☐ Any letter
- ☐ Any character and symbol
- ☒ Any alphanumeric character

👍 Correct

9. What does the `re.findall()` function return?

- ☒ A list of all matches to a regular expression in a given string
- ☐ The first match to a regular expression in a given string
- ☐ All occurrences of the pattern `"re"` in a given string
- ☐ All possible regular expressions that match to a given string

👍 Correct

10. Which method adds input to the end of a list?

☐ `.lower()`

☒ `.append()`

☐ `.insert()`

☐ `.index()`

👍 Correct