

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 97.50% Latest Submission grade 97.50% Quiz • 50 min

To pass 80% or higher

Go to next item

## Weekly Challenge 3

Review Learning Objectives

1. Which line of code converts the integer 7 to a string?

1 / 1 point

- ☐ `str("7")` **Submit your assignment**
- ☒ `str(7)` **Due** Jun 25, 11:59 PM +08 **Attempts** 3 every 24 hours
- ☐ `string(7)`
- ☐ `string` **Receive grade**
- ☐ **Correct** To Pass 80% or higher

Try again

2. Which line of code turns a variable that contains "bmoreno" into "Bmoreno"?

1 / 1 point

- ☐ `print (upper ("bmoreno"))`
- ☒ `print ("bmoreno" .upper ())`
- ☐ `print ("bmoreno" (upper))`
- ☐ `print (upper . "bmoreno" ())`
- ☐ **Correct**

3. What is the index of the character "e" in the string "encryption"?

1 / 1 point

- ☐ 4
- ☐ 1
- ☒ 2
- ☐ 3
- ☐ **Correct**

4. You need to take a slice from an employee ID. Specifically, you must extract the characters with indices of 3, 4, 5, and 6. 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 / 1 point

```
1 employee_id = "u237x430y567"
2 print(employee_id[3:7])
```

Run

Reset

7x43

What string does the code output?

- ☐ "37x4"
- ☐ "x430"
- ☐ "237x"
- ☒ "7x43"
- ☐ **Correct**

5. What is the output of the following code?

1 / 1 point

```
list1 = [1, 2, 3]
list2 = ["a", "b", "c"]
print(list1 + list2)

☒ [1, 2, 3, "a", "b", "c"]
☐ [1, "a", 2, "b", 3, "c"]
☐ [6, "abc"]
☐ An error message
☐ Correct
```

6. What is the output of the following code?

1 / 1 point

```
approved_users = ["bmoreno", "elarson", "tshah", "eraab"]
print(approved_users[1])

☒ "elarson"
☐ "bmoreno"
☐ ["bmoreno", "elarson", "tshah", "eraab", 1]
☐ [1, "bmoreno", "elarson", "tshah", "eraab"]
☐ Correct
```

7. Fill in the blank: A(n) \_\_\_\_\_ is a set of rules to solve a problem.

1 / 1 point

- ☐ regular expression
- ☒ algorithm
- ☐ index
- ☐ append
- ☐ **Correct**

8. Which of the following strings match with the regular expression of "^[a-z]\*"? Select all that apply.

0.75 / 1 point

- ☒ "email123"
- ☐ **Correct**
- ☒ "network"
- ☐ **Correct**
- ☐ "9210"
- ☐ "email@email.com"

You didn't select all the correct answers

9. You have imported the `re` module into Python with the code `import re`. Which code searches the `device_ids` string variable for a pattern of "r15[a-z]\*"? 1 / 1 point

- ☒ `re.findall("r15[a-z]*", device_ids)`
- ☐ `findall("r15[a-z]*", device_ids)`
- ☐ `re.findall(device_ids, "r15[a-z]*")`
- ☐ `findall(device_ids, "r15[a-z]*")`
- ☐ **Correct**

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

1 / 1 point

- ☐ `.lower()`
- ☒ `.append()`
- ☐ `.insert()`
- ☐ `.index()`
- ☐ **Correct**