Weekly challenge 3

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Quiz • 50 min

Review Learning Objectives

1. What is the output of the following code? **1 / 1 point**

```
print(len("125"))
```

- 8
- 10
- 3
- 5

Correct

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2. What is the result when `.upper()` is applied to a string? **1 / 1 point**

- 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.
- The value of the string is reassigned to contain all uppercase letters.
- A copy of the string is returned with all uppercase letters.

Correct

3. What is the index of the character `"c"` in the string `"encryption"`? **1 / 1 point**

- 3
- 4
- 1
- 2

Correct

4. You need to take a slice from a network ID. Specifically, you must extract the characters with indices of **6** through **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 / 1 point**

```
1  network_id = "l693m585n528"
2  print(network_id[6:11])
```

Run
Reset

```
85n52
```

What string does the code output?

- `"585n5"`
- `"85n52"`
- `"m585n"`
- `"5n528"`

Correct

5. Which code joins a list of `new_users` to a list of `approved_users` and assigns the value to a third variable named `users`? **1 / 1 point**

- `users = new_users + approved_users`
- `users(new_users[1], approved_users[2])`
- `users(new_users, approved_users)`
- `users = insert(new_users, approved_users)`

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? **1 / 1 point**

- `my_list.insert(5,4)`
- `my_list.insert(5,5)`
- `my_list.insert(4,5)`
- `my_list.insert(5)`

Correct

7. Fill in the blank: Determining that you need to use string slicing and a `for` loop to extract information from items in a list is part of creating a(n) _____. **1 / 1 point**

- append
- algorithm
- regular expression
- index

Correct

8. Which of the following strings match with the regular expression pattern of `"\w"`? Select all that apply. **1 / 1 point**

- [x] `"2"`

Correct

- [ ] `"1B"`
- [ ] `"security"`
- [x] `"W"`

Correct

9. What does the `re.findall()` function return? **1 / 1 point**

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

Correct

10. What does the code `device_ids.append("h32rb17")` do? **1 / 1 point**

- Updates all instances of `"h32rb17"` in the `device_ids` list to uppercase letters
- Returns all matches to the pattern `"h32rb17"` in the `device_ids` list
- Adds `"h32rb17"` to the end of the `device_ids` list
- Inserts `"h32rb17"` at the beginning of the `device_ids` list

Correct