Coding Challenge Notes

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- 1 Unorganized
- 2 Useful functions
 - reversed (s) reverses an iterable and returns an iterator.
- **3** Converting types
- 3.1 How do I convert a list of chars/strings to string?

```
1 >>> string = ['a', 'b', 'c']
2 >>> "".join(strings)
```

3.2 How do I convert a number to a string/vice versa?

```
1 >>> a = str(6.24)
2 >>> b = int("8")
3 >>> c = float("1.25")
```

- 4 String manipulation
- 4.1 How do I convert from a character to its ASCII/vice versa?

```
1 >>> n = ord('a')
2 >>> a = chr(n)
```

4.2 How to I convert a character/string to lower/upper case?

```
1 >>> 'Abc'.lower()
2 >>> 'Abc'.upper()
```

- 5 Discriminating between different types of characters
- 5.1 How do I determine if a char is punctuation?

```
1 >>> import string
2 >>> if c is in string.punctuation:
3 >>>
```

5.2 How do I determine if a char is whitespace?

```
1 >>> if c.isspace():
2 >>> ...
```

5.3 How do I determine if a char is alphabetical/alphanumeric?

```
1 >>> if c.isalpha():
2 >>> ...
1 >>> if c.isalnum():
2 >>> ...
```

6 Common gotchas

• range (n) goes from 0 to n-1, not up to n.