

---

# Coding Challenge Notes

---

Stefan Webb  
University of Oxford

## 1 Unorganized

## 2 Converting types

### 2.1 How do I convert a list of chars/strings to string?

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

### 2.2 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")
```

## 3 Discriminating between different types of characters

### 3.1 How do I determine if a char is punctuation?

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

### 3.2 How do I determine if a char is whitespace?

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

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

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

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

Preprint. Work in progress.