Good morning!

Assignment 4 feedback

Part A: Loops in loops

```python
list_of_lists = [
    ['Gin', 'Vermouth', 'Campari', 'Orange peel'],
    ['White port', 'Tonic water'],
    ['Vodka', 'Triple sec', 'Cranberry juice', 'Lime juice'],
    ['Vodka', 'Tequila', 'Light rum', 'Triple sec', 'Gin', 'Cola'],
    ['Vodka', 'Tomato juice', 'Worcestershire sauce']
]
```

```python
for ingredients in list_of_lists:
    print('For this drink I need the following ingredients:')
    for ingredient in ingredients:
        print(ingredient, end=', ')
    print('and that was it!\n')
```

```
# What is the difference between ingredients and ingredient?
#   - Ingredients represents the individual lists in the list of lists, we have named list_of_lists
#       - Example: 'Gin', 'Vermouth', 'Campari', 'Orange peel']
#   - Ingredient then represents the value within each of the lists within the lists
#       - Example: 'Gin'
```

Part C: CLI programs

```python
import sys

pattern = sys.argv[1]
substitution = sys.argv[2]
line = "My cat looks weirdly. The neighbour's cat too..."
print(line.replace(pattern, substitution))
```

Running the program:

```
$ python cli_program.py cat dog
```

Part D: CLI incrementor

```python
import sys

number = int(sys.argv[1])
incremented = number + 1
print(incremented)
```

Running the program:

```
$ python incrementor.py 2
```

Evaluation feedback

Negative

- Too fast and too much
  - Lectures
  - Course in general
- Varying speeds in lecture
- No explanation about the test
- No TAs after 15
  - Difficult to get help at home
- No slides before class
- No overview of syntax
- Mistakes in assignment
- Not enough examples
- Information in many places
- Can be hard to hear us
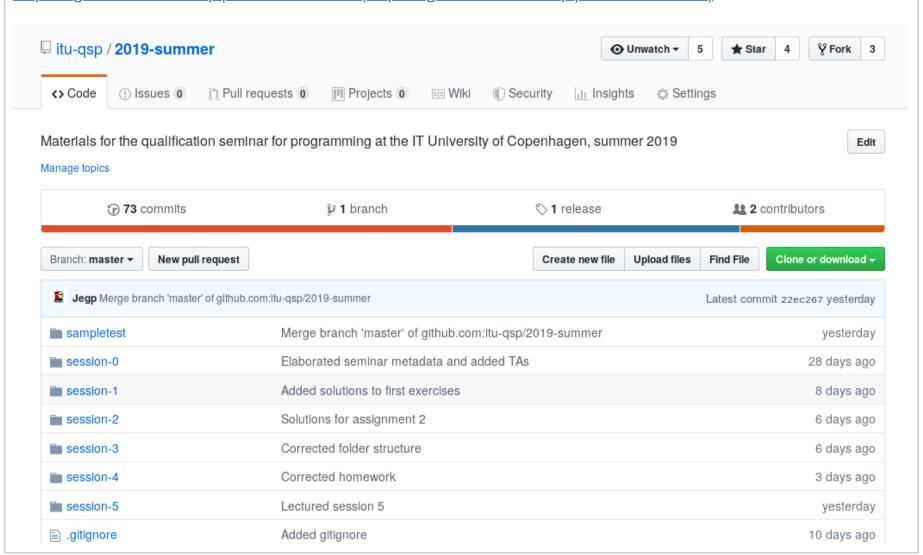 - Especially in the recording

Evaluation feedback

Positive

- Enthusiastic/engaging teachers and TAs
  - Humor and teamwork
- Good structure
  - Lecture/workshop/assignment
  - Breaks in lecture
  - "Break day"
- Accessible/diverse material
  - Good book
- Embracing failure
  - Good for beginners
- Relevant
- Good feedback

How to see the course material

[https://github.com/itu-qsp/2019-summer (https://github.com/itu-qsp/2019-summer)](https://github.com/itu-qsp/2019-summer)

itu-qsp / **2019-summer**

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Materials for the qualification seminar for programming at the IT University of Copenhagen, summer 2019   **Edit**

Manage topics

| ⟳ **73** commits | ⑂ **1** branch | ⬙ **1** release | ⧉ **2** contributors |

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Jegp Merge branch 'master' of github.com:itu-qsp/2019-summer   Latest commit 22ec267 yesterday

📁 sampletest	Merge branch 'master' of github.com:itu-qsp/2019-summer	yesterday
📁 session-0	Elaborated seminar metadata and added TAs	28 days ago
📁 session-1	Added solutions to first exercises	8 days ago
📁 session-2	Solutions for assignment 2	6 days ago
📁 session-3	Corrected folder structure	6 days ago
📁 session-4	Corrected homework	3 days ago
📁 session-5	Lectured session 5	yesterday
📄 .gitignore	Added gitignore	10 days ago

Multiline strings

What was that?

In [2]:

```
text = 'To Sherlock Holmes she is always the woman. I have \nseldom heard him
print(text)
```

```
To Sherlock Holmes she is always the woman. I have
seldom heard him mention her under any other name. In his eyes
she eclipses and predominates the whole of her sex. It was not
that he felt any emotion akin to love for Irene Adler.
```

```python
text = '''To Sherlock Holmes she is always the woman. I have
seldom heard him mention her under any other name. In his eyes
she eclipses and predominates the whole of her sex. It was not
that he felt any emotion akin to love for Irene Adler.'''
print(text)
```

```
To Sherlock Holmes she is always the woman. I have
seldom heard him mention her under any other name. In his eyes
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```

What you learned so far

Date	Topic	Contents
1/7/2019	1: Meet your (other) computer!	Terminals, files and folders
3/7/2019	2: Learning Python	Python data types and logic
5/7/2019	3: Using Python	Lists and loops
8/7/2019	4: Solving actual problems	More lists, exceptions and pseudo code
10/7/2019	5: Python building blocks	Functions, modules, sets and dictionaries