Section 05

Dickwyn, Code in Place

Watercooler

- What's your favorite Code in Place moment(s)?

- What will you use your python knowledge for?

- Pineapple on pizza?

Shared Agreements

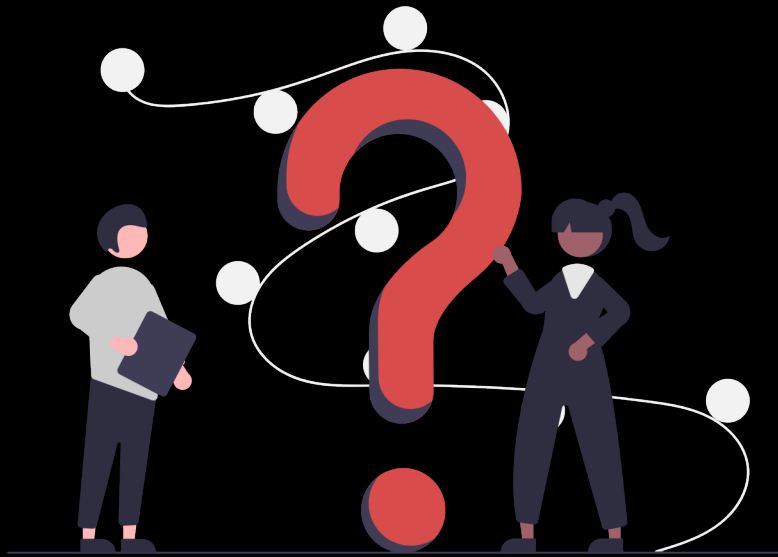✓ **Use professional, courteous, and thoughtful language**

   Be mindful of your peers when speaking and asking questions

✓ **Assume your peers have good intention**

   Even if their words or actions cause concern, remember that we're all learning together.

✓ **Ask questions**

   There is NO silly question

```python
names = ['Julie', 'Mehran', 'Simba', 'Ayesha']
names.append('Karel')
for value in names:
        print(value)
max_index = len(names) - 1
index = random.randint(0, max_index)
correct_answer = names[index]
prompt = 'Who is in index...' + str(index) + '? '
answer = input(prompt)
if answer == correct_answer:
        print('Good job')
else:
        print('Correct answer was', correct_answer)
```

Review concepts

- Lists

- Files

```python
colors_list = ['red', 'green', 'blue']

# manually print all colors
print(colors_list[0])
print(colors_list[1])
print(colors_list[2])

# dynamically print all colors
for index in range(len(colors_list)):
    print(colors_list[index])
```

```
colors_list = ['red', 'green', 'blue']
```

value	'red'	'green'	'blue'
index	0	1	2

```
print(colors_list[3]) # IndexError: list index out of range
```

```
colors_list.append('alpha')

print(colors_list[3]) # alpha
```

value	'red'	'green'	'blue'	'alpha'
index	0	1	2	3

```
colors_list = ['red', 'green', 'blue', 'alpha']
```

```
# change the value at index 1

colors_list[1] = 'red'
```

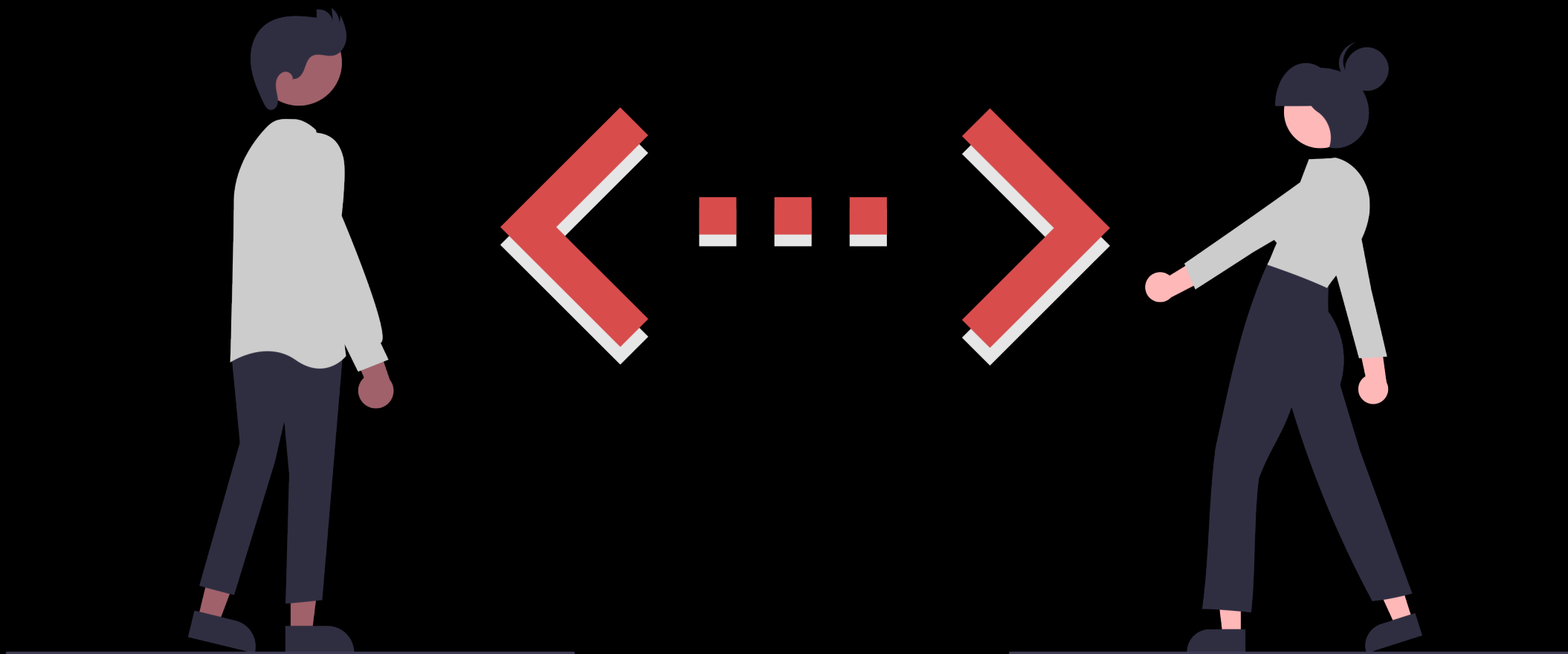| value	'red'	'red'	'blue'	'alpha'
index	0	1	2	3

```
for index in range(len(colors_list)):

    print('color ', str(index + 1), 'is', colors_list[index])

    # color 1 is red

    #. . . .
```

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```python
FILENAME = 'covid19-survival-list.txt'

items_list = []

with open(FILENAME) as file:

    for line in file:

        items_list.append(line.strip())

print(items_list)

# ['food', 'water', 'toilet paper']
```
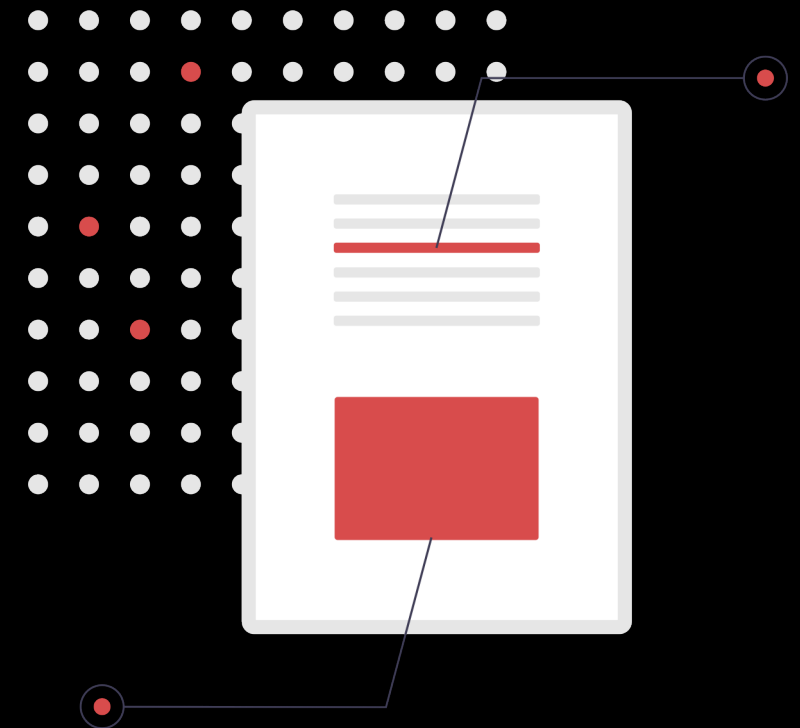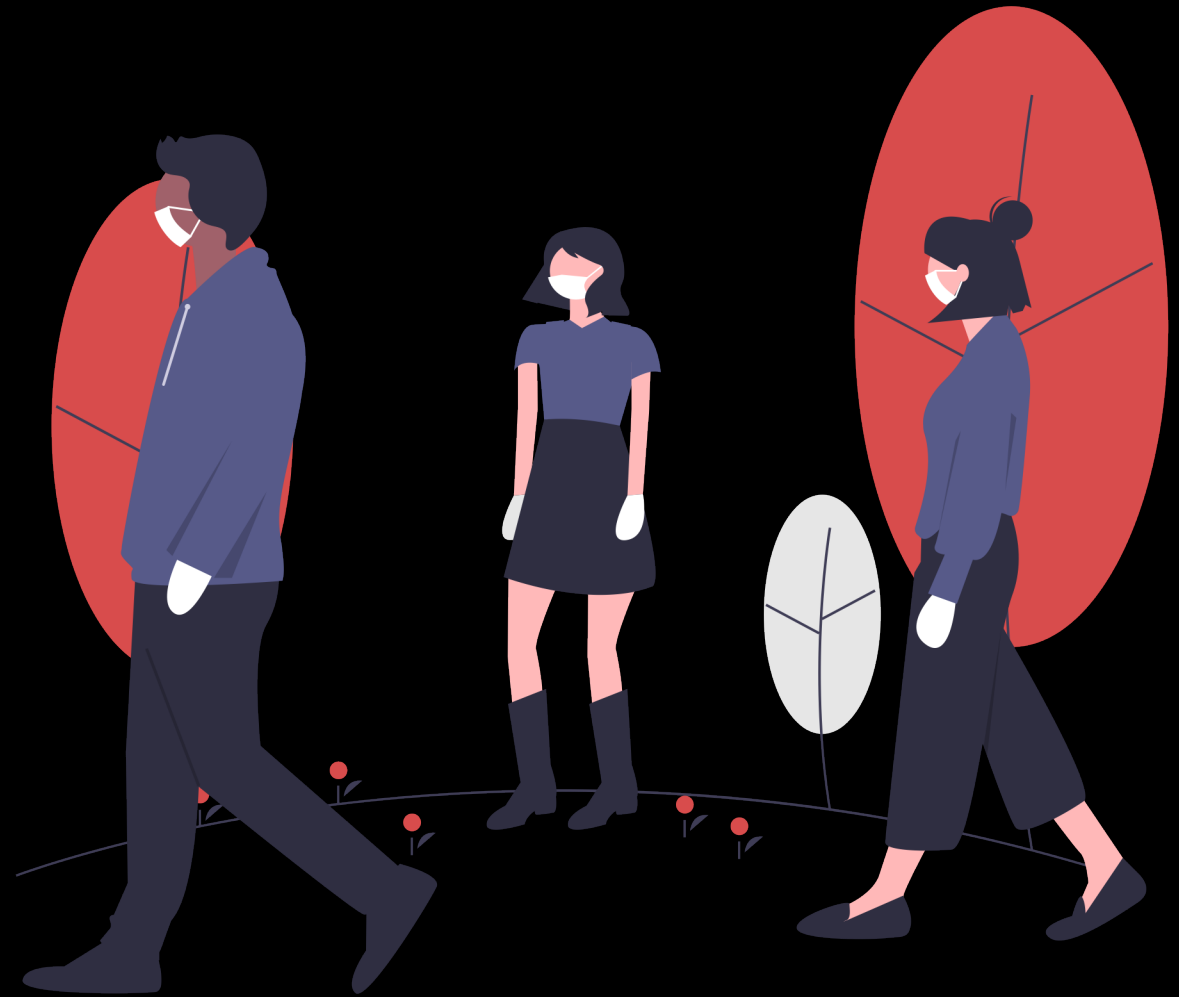
Hands on

Bonus challenge

- Analyze COVID-19 case data from Jan 22, 2020 to May 12, 2021

- Inspiration for final project

- https://github.com/wade fagen/91-DIVOC

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Thank you

- Learnt so much from you

- Feel free to connect with me on my social handles, I'm @dickwyn everywhere

- My Code in Place experience video – June 03

- www.dickwyn.xyz/cip-2021

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The journey ahead…

- Grateful that I was a part of your journey

- Coding can be your "superpower"

- "You can't connect the dots looking forward, you can only connect them looking backwards" ~ Steve Jobs

- Don't forget to have fun

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