

code\_in\_place\_2021

# Section 01

Dickwyn, Code in Place





# About Me

- Started coding in 2013
- Making YouTube videos was my favorite quarantine activity
- I want to pay it forward, help someone in their coding journey
- [www.dickwyn.xyz](http://www.dickwyn.xyz)

# Section Goals

Have a collaborative learning session to bounce ideas off each other

Help you, cheer you on and be your friend as you go through Code in Place

# Introductions

- Name
- Your coding experience
- Your favorite food
- The thing you are most excited about Code in Place?



# 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

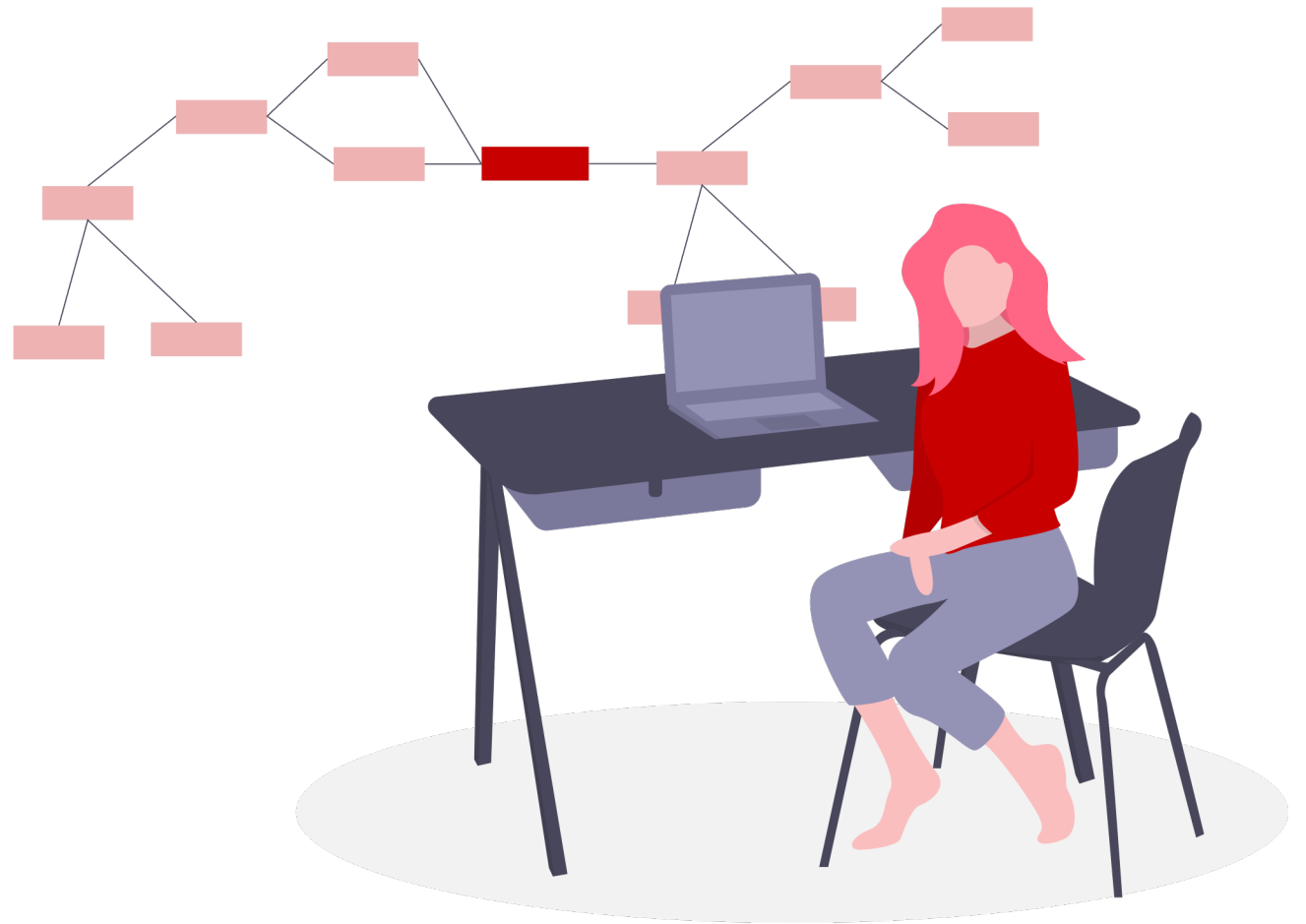
# Review concepts

For loops

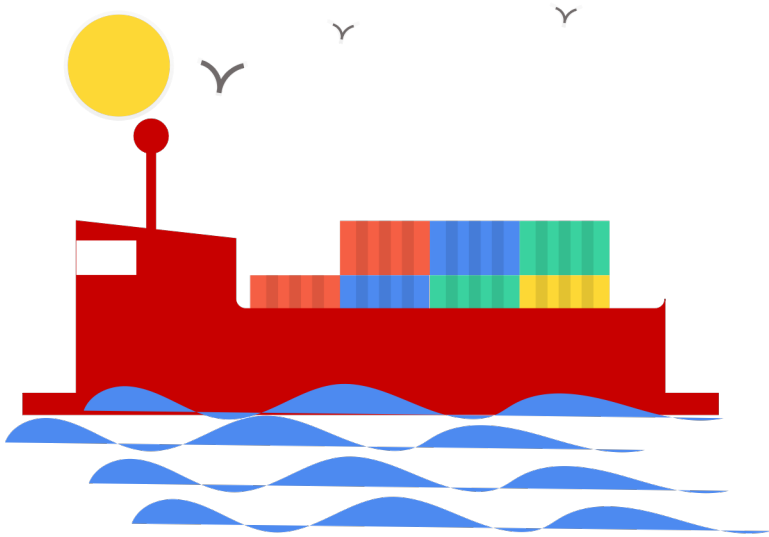
While loops

Decomposition

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# for loop



```
#syntax
for i in range(count):
    statements
```

```
#example
def turn_right():
    for i in range(3):
        turn_left()
```

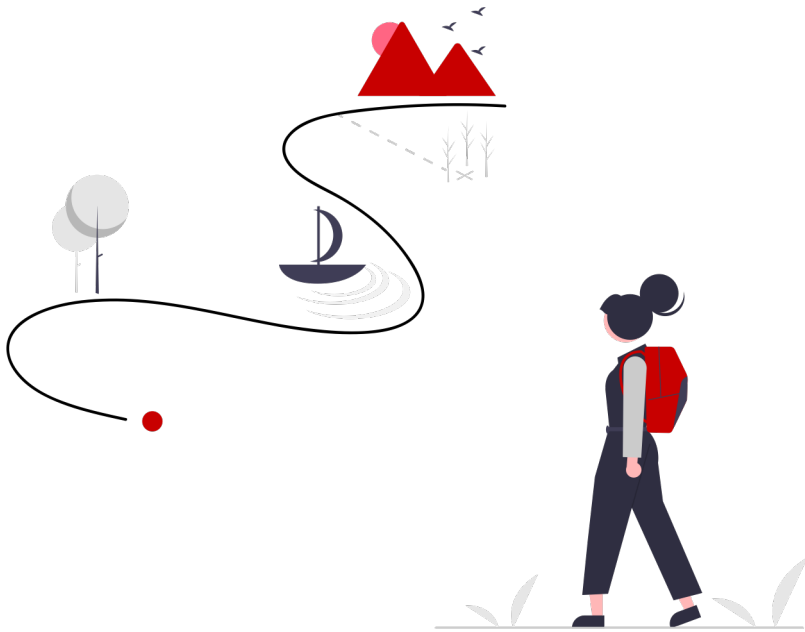
# while loop

**#syntax**

```
while condition:  
    statements
```

**#example**

```
def move_to_wall():  
    While front_is_clear():  
        move()
```



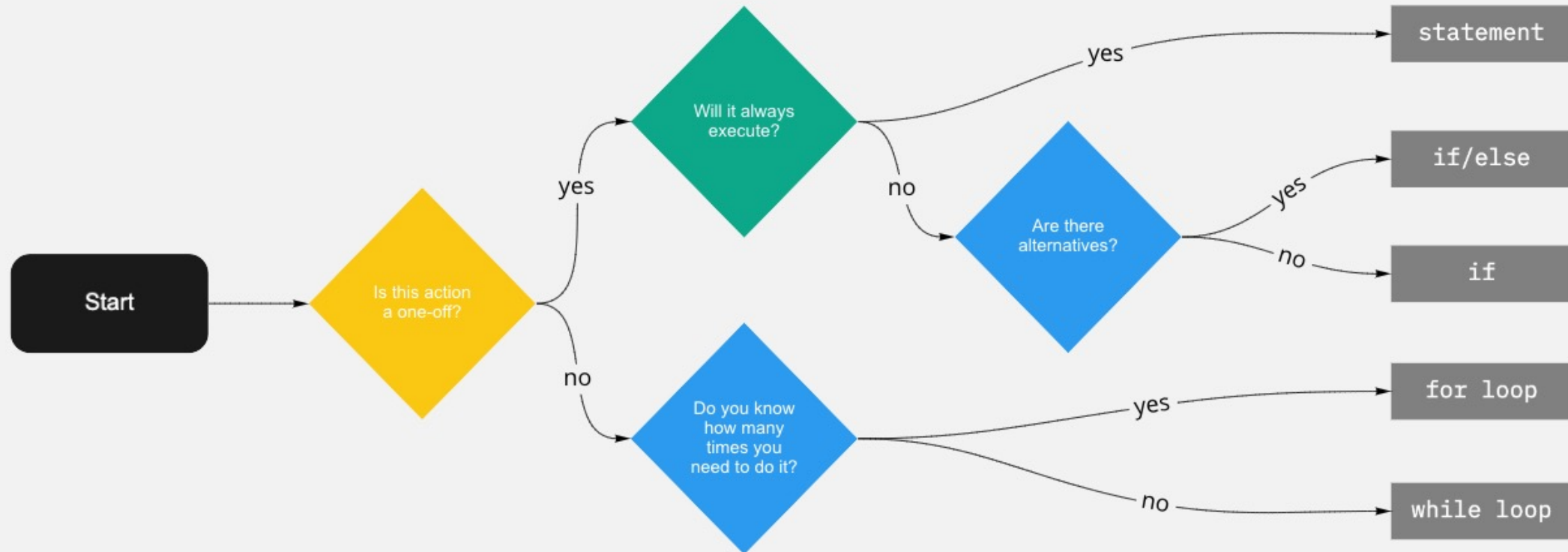


# decomposition



- The process of breaking a large problem into more manageable sub-problems
- A well decomposed function or a well-designed class is sometimes likened to a "black box"
- The goal is to divide the problem into independent sub-problems

# Control Flow Decision



# Problem set

Hospital Karel

