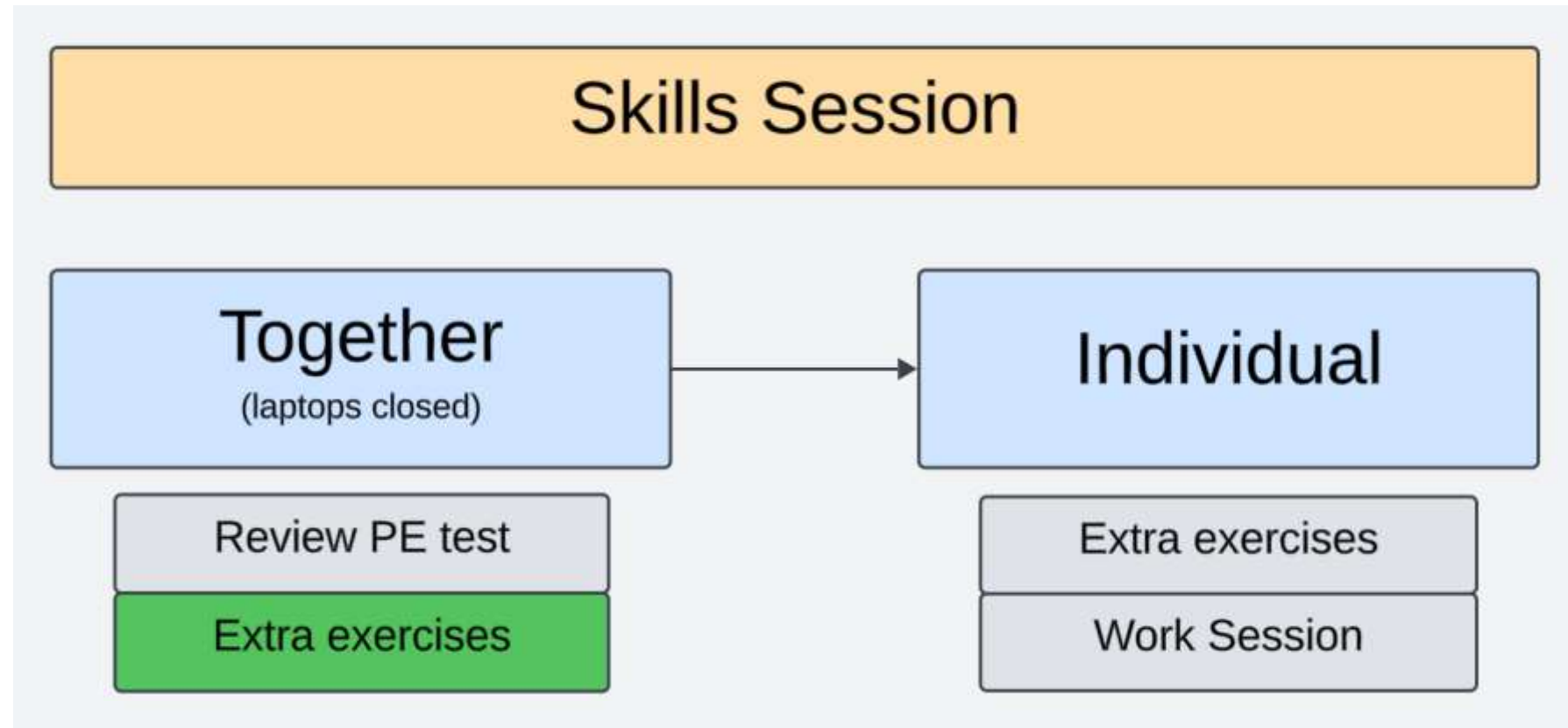# PROGRAMMING 1 - WEEK 4

Skills

Approach

Savings

Take into account the following parameters: an investment amount, an annual interest rate as a percentage, and a target amount. Write a function called **years_to_target** that accepts these three parameters and returns the number of years required to reach your target amount.

Example:

- *years_to_target(500,5,1000) = 15*

Count vowels

Write a function **count_vowels(text)** that returns the number of vowels in the parameter text.

Tip: we consider a, e, i, o, u and y to be vowels

Example:

- _text = "You look good today!"_
- _count_vowels(text) = 10_

String manipulation

Write a function **remove_double_spaces(text)** that returns a new text value identical to the input parameter text but with all double spaces replaced by single spaces.

Example:

- *text = " Hello there   !   "*
- *remove_double_spaces(text) = " Hello there ! "*