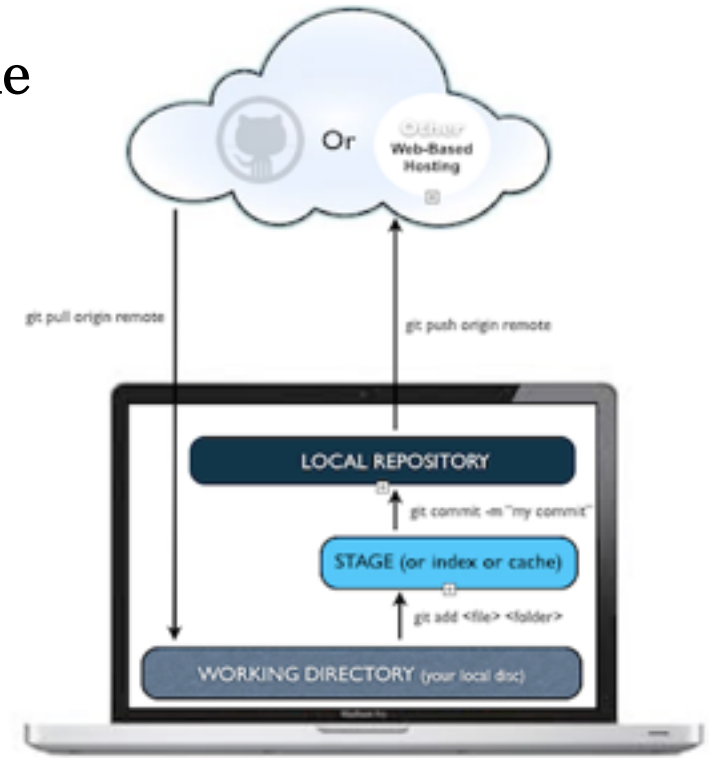
LANG = 'RUBY'

REVISION

- GIT - Structured storage for your code



Exercise

- Create a folder named bewd4_exercises on your local machine
  - Add a folder named class2 to bewd4_exercies
- Create a git repository to track changes in bewd4_exercises
  - Add the subfolder class to the local repo
  - Commit this change locally
- Create a repository called ‘bewd4_exercises’ in Github
  - Push your changes to Github

AGENDA

- Easier to navigate a Rails project once -
  - Basic understanding of programming
  - Basic understanding of Ruby
- Focus
  - Variables
  - Methods
  - Conditional Logic

LANGUAGE GRAMMAR

RUBY GRAMMAR IS STRICT

ALL ABOUT DATA

SIMPLE DATA TYPES

INTEGERS

1, 1000, 45, -23

FLOATS

1.23, 10.00, -2.3

STRINGS

‘bob’, ‘hello world’

BOOLEAN

true or false

DATETIME

2015-02-17 06:06:14.893783

Operators

- Primitive operators
  - +, -, /, *
- Logical operators
  - and, or, &&, ||
  - **avoid and/or** !
- Relational operators
  - ==, >, <, >=, <=

Q: HOW DO WE SAVE A VALUE?

advanced

Q: HOW DO WE STORE A REFERENCE TO A VALUE?

A: VARIABLES!

VARIABLES

- Reference to data in memory
  - Assignment
    - age = 17
  - Age is the variable
- Variables can be accessed
  - puts age
- Variables can be re-assigned
  - age = 19
- Variables can be the result of an expression
  - x = 3.141592653 ^ 2

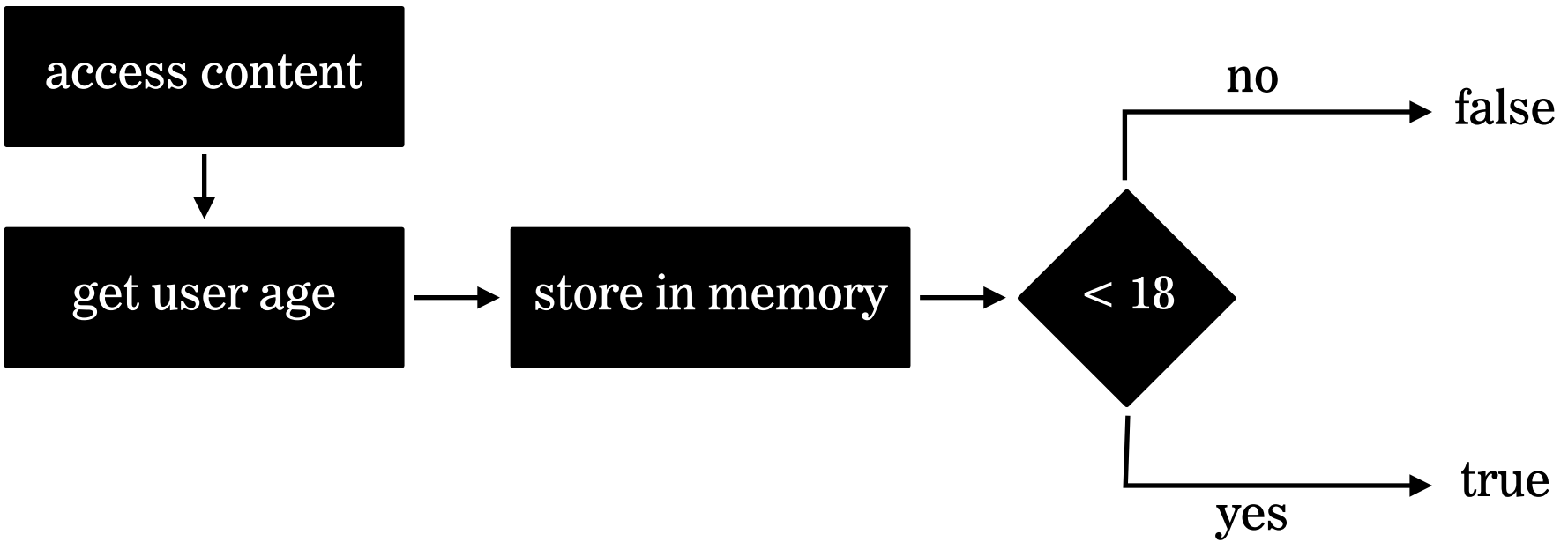
5 MIN BREAK

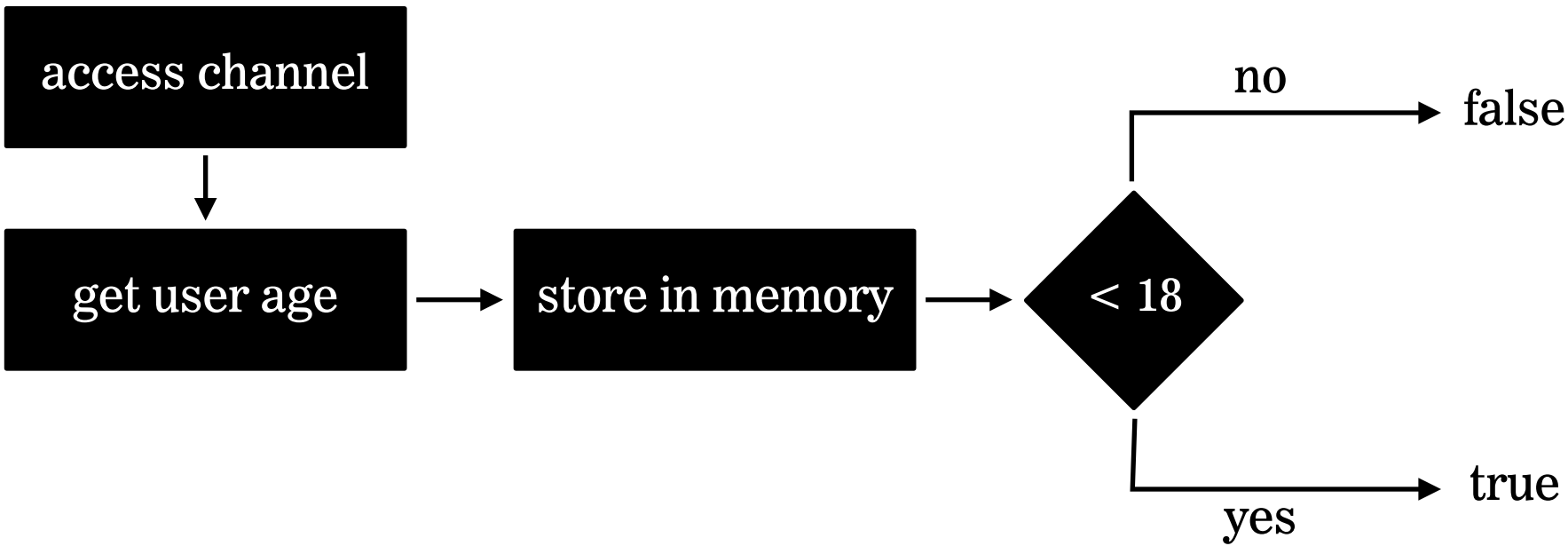
https://youtu.be/6L8b1zPE0-Y

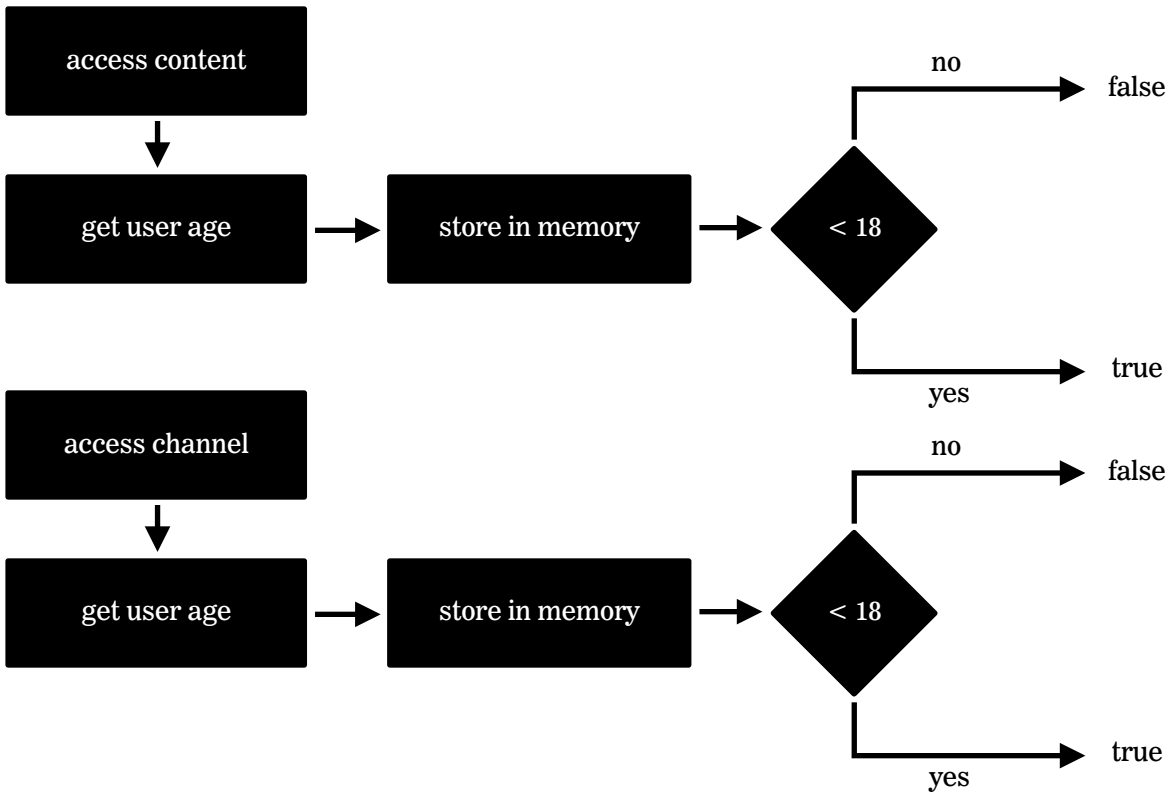
CONDITIONAL STATEMENTS

CONDITIONALS

- Keywords
  - if
    - execute code if condition is true
  - else
    - execute code if condition is false
  - elseif
    - execute code if alternate condition is true
- Only one block of code is ever executed!


access content
get user age
store in memory
< 18
no
false
yes
true


access channel
get user age
store in memory
< 18
no
false
yes
true


access content
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no
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access channel
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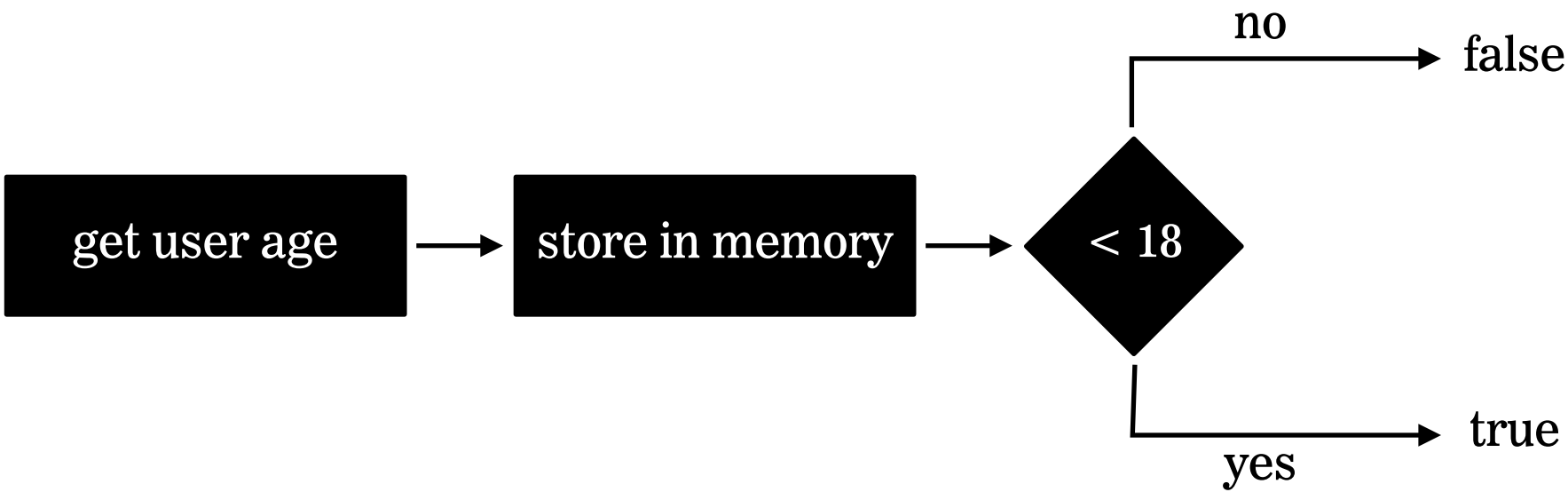
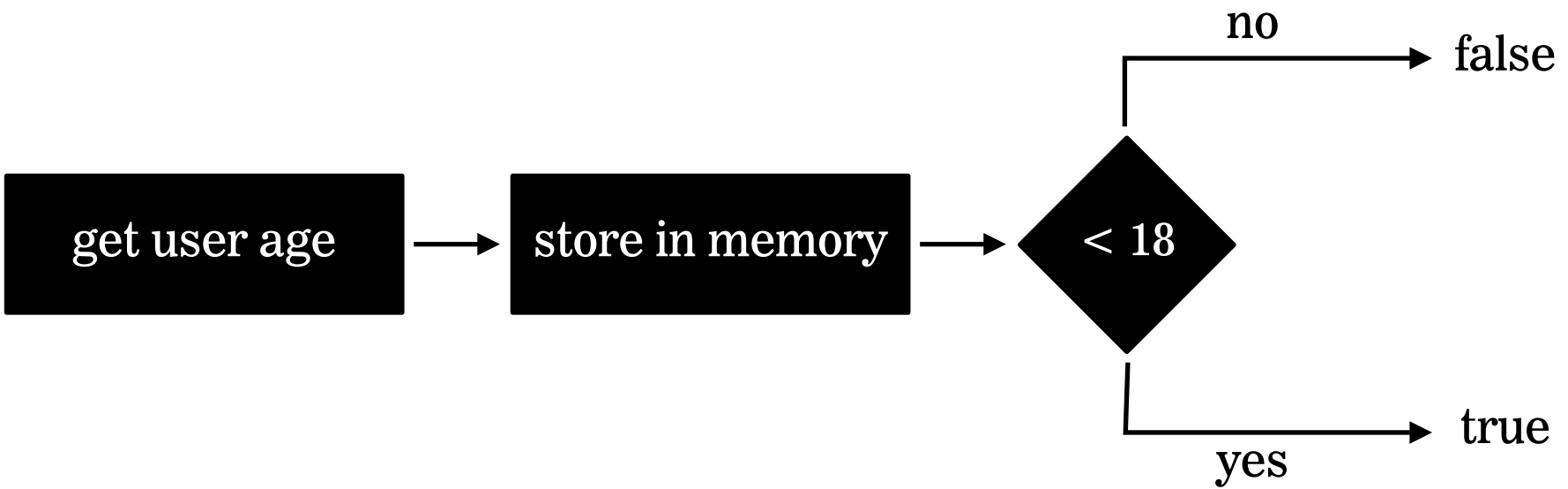
yes
true


get user age
store in memory
< 18
no
false
yes
true

Q: HOW DO WE REUSE CODE?

A: METHODS!


get user age
store in memory
< 18
no
false
yes
true

advanced

Q: CAN THE METHOD BE FURTHER SUB-DIVIDED?

ADDITIONAL EXERCISES

HOMEWORK!