

# Error handling

- Version 1: Erel Segal-Halevi

# Error handling *(folder 3)*

	<b>Exception</b>	<b>Assert</b>
<b>Used during:</b>	Normal run	Development
<b>Used for:</b>	Handling exceptional conditions.	Spotting internal errors and bugs.
<b>Disabling:</b>	No	With compiler flag

# Unit testing

- Many frameworks.
- You saw **GTest**.
- Another option: **doctest** (folder 4).

# Finding memory leaks *(folder 5)*

## Basic check:

- `sudo apt install valgrind`
- `valgrind --tool=memcheck ./a.out`

## Detailed check:

- `valgrind --tool=memcheck  
-v --leak-check=full --show-leak-kinds=all  
./a.out`

## Only the bottom line:

- `valgrind --tool=memcheck ./a.out  
2>&1 | grep "lost"`