Serie Debugging

Exercise 1. Write overflow

- In the **debugging** folder, make the executable.
- Execute the **./write** executable
- Run the code with **gdb**
  `$ gdb ./write`
- Run the code in gdb with `run` in gdb, it should stop at the line where the segfault happen.
- You can print the value of the variables with `print`
  `(gdb) print i`

  `(gdb) print data`
- At this point you should see the bug

Exercise 2. Read overflow

- Execute the **./read** executable
- It might run fin but there is a bug.
- Run the code with **valgrind**
  `$ valgrind ./read`
- You can also compile with special sanitize options (this works only with gcc and clang).
  `$ CXXFLAGS=-fsanitize=address make`

  In this case the bound check is always done at execution.