

## Tutorial X

February 6

**Exercise 1** [*File I/O*] Write a program that reads a text file using `fopen`, changes the text as specified below, and writes the modified text as a file using again `fopen`.

- (i) Every newline character (`\n`) is replaced by a space.
- (ii) Any consecutive sequence of spaces is replaced by just a single space.
- (iii) Any letter is capitalized (i.e. `a` is replaced by `A`, `b` is replaced by `B`, etc).