

# Project 1: Warmup to C and Unix programming

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## Features

- `./reverse` — read from stdin, write to stdout (exits using 0)
- `./reverse input.txt` — read from `input.txt`, write to stdout
- `./reverse input.txt output.txt` — read `input.txt`, write reversed lines to `output.txt`

## Build

```Bash

```
gcc -std=c11 -Wall -o reverse reverse.c
```

## Usage example:

```
• essej@JessePC:~/kaysys$ cd ./projekti1/
• essej@JessePC:~/kaysys/projekti1$ gcc -std=c11 -Wall -o reverse reverse.c
• essej@JessePC:~/kaysys/projekti1$ ./reverse
hello
world
θ
world
hello
• essej@JessePC:~/kaysys/projekti1$ ./reverse input.txt
a file
is
this
hello
• essej@JessePC:~/kaysys/projekti1$ ./reverse input.txt output.txt
❖ essej@JessePC:~/kaysys/projekti1$
```

Input and output files:

| ≡ output.txt ×                                                         | ... | ≡ input.txt ×                                                    | ... |
|------------------------------------------------------------------------|-----|------------------------------------------------------------------|-----|
| projekti1 > ≡ output.txt<br>1 a file<br>2 is<br>3 this<br>4 hello<br>5 | ... | projekti1 > ≡ input.txt<br>1 hello<br>2 this<br>3 is<br>4 a file | ... |
|                                                                        |     |                                                                  |     |