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Tutorials for “Unix for Advanced Users”
Exercise sheet 7

Exercise 7.1:
Write a shell script `trf` that performs the following task:

- `trf` is called as

```
trf [options] suffix1 suffix2 filter [filteroptions]
```

- `suffix1` and `suffix2` are strings that start with a dot and contain neither further dots nor slashes; if not, `trf` stops with an error message.

- `trf` pipes all files in the current directory whose names end with `suffix1` through `filter [filteroptions]` and writes the result into the file whose name differs from the input file by replacing `suffix1` by `suffix2`. (Use either the `basename` command or the `${parameter%word}` operation of bash to implement this.)

- If `trf` is called with the option `-i`, then the user is asked for each file whether it should be processed. Possible user answers: `y` (yes), `n` (no), `a` (process all files from now on), `q` (quit program now).