

sed2C

Instructions

compile using makefile:

```
$make
```

This will create executable "app" which can be used to compile Sed-scripts to C.
"app" takes two arguments, input sed file(file which is to be converted to C), and output filename.

Example:

```
$/app input.sed output.c
$gcc output.c
$/a.out inputFile > outputFile
```

flag -n can be used to suppress output after each cycle. Example:

```
$/app tests/dict1.sed out.c
$gcc output.c
$/a.out tests/dict1.in -n
>bob
>mon
>non
>pop
>sos
>tot
>wow
```

dict.in is a copy of "/usr/share/dict/words"
output produced by sed:

```
$sed -n '/^\(.\)\o\1$/p' /usr/share/dict/words
>bob
>mon
>non
>pop
>sos
>tot
>wow
```

Test Files

test.sh can be used to test all sed scripts in /tests/
(updates filenames in tests/ should also be made in test.sh)
/tests/ contains test files in following format:
file.sed : sed file to be tested
file.in : input file for sed
file.out : expected output(output of sed)
Testing(sample):

```
$/test.sh
>Testing against tests/dict1.in
>TEST OK!
>Enter a to abort, anything else to continue:
```

test.sh converts file.sed to C, compiles it and executes it with file.in as input. Output is compared with expected file.out(sed output) using diff command.
Test result will be printed for each sed file.
(test-files will be removed automatically after tests)

Note: See Documentation.md for details about implementation details and commands implemented.