

## A quick sed tour

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## Manitoba Unix User's Group

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input → SED → output

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SED: sed {-n, -e, -f} SED-COMMAND FILES

- ▶ -n: noprint
- ▶ -e: execute command
- ▶ -f: script file

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SED-COMMAND: [LINE-SELECT][!]COMMAND OPTIONS

- ▶ [LINE-SELECT]: single line, range of lines, selected regex
- ▶ [!]: not (apply non matches to following command)
- ▶ [SED-COMMAND]: single-letter command with options
- ▶ [FILES]: apply to files instead of input stream

### Sed commands

Quit: q

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Change lines of text

- ▶ i (insert)
- ▶ c (change)
- ▶ a (append)
- ▶ d (delete)



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Print line: p

Print line number: =

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Get line: n

### Sed line selections commands

#### Single lines

- ▶ line number: n
- ▶ /regex/

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- ▶ line number: n
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#### Multiple lines

- ▶ line numbers m,n
- ▶ /regex/,/regex/

### Sed substitution commands

On selected lines apply (with p to print)

- ▶ replace first match: `s/regex/replace/`
- ▶ replace nth match: `s/regex/replace/`
- ▶ replace all matches: `s/regex/replace/g`
- ▶ replace selections from matches: `s/\(...\)/\1/`
- ▶ replace match with `&`

### Pattern buffer and hold space

On selected lines apply (with p to print)

- ▶ Next line: n
- ▶ Append line to pattern buffer: N
- ▶ Copy pattern buffer to hold space: h
- ▶ Append pattern buffer to hold space: H
- ▶ Copy hold space to pattern buffer: g
- ▶ Append hold space to pattern buffer: G
- ▶ Exchange pattern buffer to hold space: x