tr

Translate characters – run replacements based on single characters and character sets.

- Replace all occurrences of a character in a file, and print the result:

```
tr {{find_characters}} {{replace_characters}} < {{filename}}
```

- Map each character of the first set to the corresponding character of the second set:

```
tr 'abcd' 'jkmn' < {{filename}}
```

- Delete all occurrences of the specified set of characters from the input:

```
tr -d '{{input_characters}}'
```

- Compress a series of identical characters to a single character:

```
tr -s '{{input_characters}}'
```

- Translate the contents of the file to upper-case and print result:

```
tr "[:lower:]" "[:upper:]" < {{filename}}
```

- Strip out non-printable characters from the file and print result:

```
tr -cd "[:print:]" < {{filename}}
```