

To change all uppercase letters to lowercase in vi, you can use the command

```
:%s/.*/\L&/
```

To insert a quote at the beginning of each line

```
:%s/^/"/
```

To insert a quote and comma at the end of each line

```
:%s/$/"/,
```

Find non ASCII Characters

```
grep --color='auto' -P "[\x80-\xFF]"
grep -P -n "[\x00-\x1F\x7F-\xFF]" input_file
grep --color='auto' -P -n '[^\x00-\x7F]'
grep --color='auto' -P -n "[^[:ascii:]]"
```

This will prevent any weird Unicode character showing up in your code.

```
:set enc=latin1
```

grep regex operator Meaning

```
^  Matches the empty string at the beginning of a line; also represents the
    characters not in the range of a list.
$  Matches the empty string at the end of a line.
b  Matches the empty string at the edge of a word.
```

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