

```
1  from csv import DictReader, DictWriter
2  from io import StringIO
3  from pathlib import Path
4
5  a = Path('foo.csv').read_text(encoding='utf-8')
6  b = DictReader(StringIO(a), delimiter=',')
7
8  c = []
9  for d in b:
10     e = d['unit']
11     f = float(d['value'])
12     if e == 'cm':
13         f /= 100
14     elif e == 'mm':
15         f /= 1000
16     elif e != 'm':
17         raise ValueError('I love crashing!')
18     c.append({
19         'name': d['name'],
20         'm': f
21     })
22
23  g = StringIO()
24  h = DictWriter(
25     g,
26     fieldnames=['name', 'm'],
27     lineterminator='\n'
28  )
29  h.writeheader()
30  h.writerows(c)
31  Path('bar.csv').write_text(
32     g.getvalue(),
33     encoding='utf-8'
34  )
```