

Python

```
Windows statt <Strg> D:  
<Strg> Z & <Enter>
```

Weblinks

<https://github.com/diveintomark/diveintopython3>

<https://github.com/diveintomark/diveintohtml5>

Tipps und Tricks

Ein Matrix transponieren (Zeilen und Spalten vertauschen):

```
from pprint import pprint as pp  
  
T1 = [[11, 12, 13, 14, 15, 16, 17, 18],[21, 22 ,23, 24, 25,26, 27, 28],[31,  
32 ,33, 34, 35, 36, 37, 38]]  
pp(T1)  
  
# [[11, 12, 13, 14, 15, 16, 17, 18],  
# [21, 22, 23, 24, 25, 26, 27, 28],  
# [31, 32, 33, 34, 35, 36, 37, 38]]  
  
T2 = list(zip(*T1))  
pp(T2)  
  
# [(11, 21, 31),  
# (12, 22, 32),  
# (13, 23, 33),  
# (14, 24, 34),  
# (15, 25, 35),  
# (16, 26, 36),  
# (17, 27, 37),  
# (18, 28, 38)]
```

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