Repetition Python (Listen)

Übungen

Aufgabe 6.1

```
D = [3, 4, -8, -1, 6]
print(D[3])
```

Aufgabe 6.1

```
D = [3, 4, -8, -1, 6]
print(D[3])
```

```
-1
```

Aufgabe 6.2

```
B = [0, 6, 2, -3, -1]
print(B[5])
```

Aufgabe 6.2

```
B = [0, 6, 2, -3, -1]
print(B[5])
```

IndexError

Aufgabe 6.3

```
C = [0, -5, -6, -1, 5]
print(C[-2])
```

Aufgabe 6.3

```
C = [0, -5, -6, -1, 5]
print(C[-2])
```

```
-1
```

Aufgabe 6.4

```
A = [[1, 5, 7], [4, 0, 2], [3, 9, 8]]
print(A[2][2])
```

Aufgabe 6.4

```
A = [[1, 5, 7], [4, 0, 2], [3, 9, 8]]
print(A[2][2])
```

```
8
```

Aufgabe 6.5

```
M = [7, -1, -8, -9, 9]
print(M[2:3])
```

Aufgabe 6.5

```
M = [7, -1, -8, -9, 9]
print(M[2:3])
```

```
[-8]
```

Aufgabe 6.6

```
M = [-9, 6, 1, -2, 2]
print(M[:2])
```

Aufgabe 6.6

```
M = [-9, 6, 1, -2, 2]
print(M[:2])
```

```
[-9, 6]
```

Aufgabe 6.7

```
L = [-7, -3, -2, 7, 3]
print(L[1:])
```

Aufgabe 6.7

```
L = [-7, -3, -2, 7, 3]
print(L[1:])
```

```
[-3, -2, 7, 3]
```

Aufgabe 6.8

```
L = [5, -7, 8, 1, 9]
print(L[:])
```

Aufgabe 6.8

```
L = [5, -7, 8, 1, 9]
print(L[:])
```

```
[5, -7, 8, 1, 9]
```

Aufgabe 6.9

```
L = [6, -6, 0, 7, 2]
print(L[:-1])
```

Aufgabe 6.9

```
L = [6, -6, 0, 7, 2]
print(L[:-1])
```

```
[6, -6, 0, 7]
```

Aufgabe 6.10

```
L = [5, 8, 3, 6, 4, 9, 2]
print(L[1::2])
```

Aufgabe 6.10

```
L = [5, 8, 3, 6, 4, 9, 2]
print(L[1::2])
```

```
[8, 6, 9]
```

Aufgabe 6.11

```
C = [1, 6, 5, 4, 9]
print(C[::-1])
```

Aufgabe 6.11

```
C = [1, 6, 5, 4, 9]
print(C[::-1])
```

```
[9, 4, 5, 6, 1]
```

Aufgabe 6.12

```
M = [2, 3, 9, 0, 4]
print(len(M))
```

Aufgabe 6.12

```
M = [2, 3, 9, 0, 4]
print(len(M))
```

```
5
```

Aufgabe 6.13

```
C = []
print(len(C))
```

Aufgabe 6.13

```
C = []
print(len(C))
```

```
0
```

Aufgabe 6.14

```
B = [7, 1, 8, 5, 9]
print(sorted(B))
```

Aufgabe 6.14

```
B = [7, 1, 8, 5, 9]
print(sorted(B))
```

```
[1, 5, 7, 8, 9]
```

Aufgabe 6.15

```
L = [0, 1, 6, 7, 5]
print(max(L))
```

Aufgabe 6.15

```
L = [0, 1, 6, 7, 5]
print(max(L))
```

```
7
```

Aufgabe 6.16

```
M = [4, 8, 3, 6, 1]
print(min(M))
```

Aufgabe 6.16

```
M = [4, 8, 3, 6, 1]
print(min(M))
```

```
1
```

Aufgabe 6.17

```
D = [9, 6, 4, 3]
print(sum(D))
```

Aufgabe 6.17

```
D = [9, 6, 4, 3]
print(sum(D))
```

```
22
```

Aufgabe 6.18

```
A = [5, 1]
B = [9, 4]
print(A + B)
```

Aufgabe 6.18

```
A = [5, 1]
B = [9, 4]
print(A + B)
```

```
[5, 1, 9, 4]
```

Aufgabe 6.19

```
B = [7, 5]
print(3 * [7, 5])
```

Aufgabe 6.19

```
B = [7, 5]
print(3 * [7, 5])
```

```
[7, 5, 7, 5, 7, 5]
```

Aufgabe 6.20

```
L = [0, 4]
M = [1, 5, 7]
print(2 * L + M)
```

Aufgabe 6.20

```
L = [0, 4]
M = [1, 5, 7]
print(2 * L + M)
```

```
[0, 4, 0, 4, 1, 5, 7]
```

Aufgabe 6.21

```
A = [2, 5, 6, 7]
A.append(0)
print(A)
```

Aufgabe 6.21

```
A = [2, 5, 6, 7]
A.append(0)
print(A)
```

```
[2, 5, 6, 7, 0]
```

Aufgabe 6.22

```
M = [2, 3, 0, 6, 4]
a = M.pop()
print(a)
```

Aufgabe 6.22

```
M = [2, 3, 0, 6, 4]
a = M.pop()
print(a)
```

```
4
```

Aufgabe 6.23

```
A = [0, 1, 3, 4, 6]
A.pop(3)
print(A)
```

Aufgabe 6.23

```
A = [0, 1, 3, 4, 6]
A.pop(3)
print(A)
```

```
[0, 1, 3, 6]
```

Aufgabe 6.24

```
A = [4, 1, 3]
A.insert(2,0)
print(A)
```

Aufgabe 6.24

```
A = [4, 1, 3]
A.insert(2,0)
print(A)
```

```
[4, 1, 0, 3]
```

Aufgabe 6.25

```
C = [1, 3, 5, 1, 4, 0, 9]
print(C.index(1))
```

Aufgabe 6.25

```
C = [1, 3, 5, 1, 4, 0, 9]
print(C.index(1))
```

0

Aufgabe 6.26

```
M = [2, 0, 6, 0]
M.remove(0)
print(M)
```

Aufgabe 6.26

```
M = [2, 0, 6, 0]
M.remove(0)
print(M)
```

```
[2, 6, 0]
```

Aufgabe 6.27

```
M = [3, 9, 7, 8]
M.reverse()
print(M)
```

Aufgabe 6.27

```
M = [3, 9, 7, 8]
M.reverse()
print(M)
```

```
[8, 7, 9, 3]
```

Aufgabe 6.28

```
A = [9, 6, 0, 3]
B = A
B[2] = 5
print(A)
```

Aufgabe 6.28

```
A = [9, 6, 0, 3]
B = A
B[2] = 5
print(A)
```

```
[9, 6, 5, 3]
```

Aufgabe 6.29

```
V = [2, 1, 9, 5]
W = V[:]
W[2] = 7
print(V)
```

Aufgabe 6.29

```
V = [2, 1, 9, 5]
W = V[:]
W[2] = 7
print(V)
```

```
[2, 1, 9, 5]
```

Aufgabe 6.30

```
L = [2*k+1 for k in range(1,5)]
print(L)
```

Aufgabe 6.30

```
L = [2*k+1 for k in range(1,5)]
print(L)
```

```
[3, 5, 7, 9]
```

Aufgabe 6.31

```
M = [[0 for i in range(0, 3)] for j in range(0, 2)]
print(M)
```

Aufgabe 6.31

```
M = [[0 for i in range(0, 3)] for j in range(0, 2)]
print(M)
```

```
[[0, 0, 0], [0, 0, 0]]
```