

# Beispiel "Strukturierte Programmierung"

Berechne den Durchschnitt von Zahlen in einem int array:

```
5 float calcAverage (int *numbers, int length);  
6  
7 int main(int argc, char *argv[]) {  
8     int numbers[] = {7, 8, 12, 3545};  
9     float average = 0;  
10  
11     average = calcAverage (numbers, 4);  
12     printf ("Average in array: %f", average );  
13     return 0;  
14 }  
15  
16  
17 float calcAverage (int *numbers, int length) {  
18     int idx;  
19     float result = 0;  
20     for (idx = 0; idx < length; idx++)  
21         result += numbers[idx];  
22     result = result / length;  
23     return result;  
24 }  
25
```

Daten

Funktion