



# „struct“ in C

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# Wann verwendet man "struct"



ORGANISATION VON  
DATEN



BENUTZERDEFINIERTER  
DATENTYPEN



DATENSTRUKTUREN  
(STRUCT IN STRUCT)



MEHR ALS EIN WERT  
KANN ÜBER RETURN  
WEITERGEGEBEN WERDEN

# Structure in C

Struct keyword

tag or structure tag

```
struct geeksforgeeks  
{  
    char _name [10];  
    int id [5];  
    float salary;  
};
```

Members or  
Fields of structure



```

1  > #include ...
3  struct geekforgeeks{
4      char _name[10];
5      int id [5];
6      double salary;
7  }structure1, structure2;
8
9  int main(){
10     strcpy(dest: structure1._name, src: "structure1");
11
12     struct geekforgeeks anotherExample = { ._name: "Anian", .id[0]: 5, .id[1]: 5, .id[2]: 5, .id[3]: 5, .id[4]: 5, .salary: 5055.5};
13
14     struct geekforgeeks employee;
15     strcpy(dest: employee._name, src: "Anian");
16     for(int i = 0; i < 5; i++){
17         employee.id[i] = i;
18     }
19     employee.salary = 3500.55;
20     printf(format: "name: %s\n", employee._name);
21     printf(format: "id: ");
22     for(int i = 0; i < 5; i++){
23         printf(format: "%d", employee.id[i]);
24     }
25     printf(format: "\nsalary: %f\n", employee.salary);
26
27
28     printf(format: "name: %s\n", anotherExample._name);
29     printf(format: "id: ");
30     for (int i = 0; i < 5; i++) {
31         printf(format: "%d", anotherExample.id[i]);
32     }
33     printf(format: "\nsalary: %f\n", anotherExample.salary);
34 }

```

# Quellen:

- <https://www.geeksforgeeks.org/structures-c/>
- [https://www.w3schools.com/c/c\\_structs.php](https://www.w3schools.com/c/c_structs.php)
- <https://www.programiz.com/c-programming/c-structures>