

Structs

C Reference

struct, typedef, . vs ->

A struct 结构体 groups related values into one type. Each value is a member 成员. typedef gives the struct a short name so you can write Dog instead of struct Dog. Use . on a struct value, but -> on a pointer to a struct.

```
#include <stdio.h>

typedef struct {
    char name[20];
    int age;
} Dog;

int main(void) {
    Dog d = {"Rex", 3};
    printf("%s is %d\n", d.name, d.age); // Rex is 3 (. on a value)

    Dog *p = &d;
    p->age = 4; // -> on a pointer
    printf("%s is %d\n", d.name, d.age); // Rex is 4
    return 0;
}
```