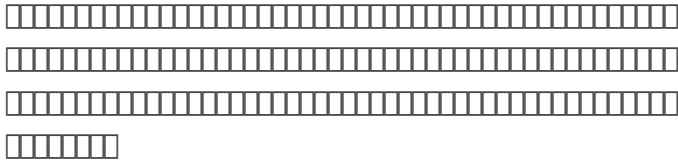


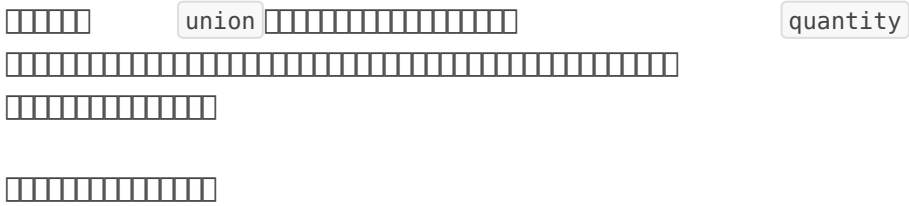
Union



C  Union



```
union quantity {
    short count;
    float weight;
    float volume;
};
```



```
// 编译
union quantity q;
q.count = 4;

// 运行
union quantity q = {.count=4};

// 编译
union quantity q = {4};
```



```
printf("count is %i\n", q.count); // count is 4
printf("weight is %f\n", q.weight); // 0.0000
```



```
q.weight = 0.5;
printf("weight is %f\n", q.weight); // weight is 0.5
```



Union

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->

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```
union quantity {
    short count;
    float weight;
    float volume;
};

union quantity q;

q.count = 4;

union quantity* ptr;

ptr = &q;

printf("%d\n", ptr->count); // 4
```



```
union foo {
    int a;
    float b;
} x;

int* foo_int_p = (int *)&x;
float* foo_float_p = (float *)&x;

x.a = 12;

printf("%d\n", x.a); // 12
printf("%d\n", *foo_int_p); // 12

x.b = 3.141592;
```

```
printf("%f\n", x.b);           // 3.141592
printf("%f\n", *foo_float_p); // 3.141592
```

&x foo

typedef  Union 

```
typedef union {
    short count;
    float weight;
    float volume;
} quantity;
```

`union` `typedef` `quantity`

Union

[illegible]

 Union

Union

□□□ #1

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