

Unions in C Programming

Unions are a concept of structures and therefore follow the same syntax as structures. However, there is a major distinction between them in terms of storage. In structures, each member has its own storage location, whereas all the members of a union use the same location.

A union can be declared using the keyword `union` as follows: the syntax of union.

Syntax

```
union tag_name
{
    member;
}union variables;
```

Example

```
#include <stdio.h>
union student
{
    char name[32];
}u;

void main()
{
    printf("Enter Student Name:\n");
    scanf("%s",&u.name);
    printf("Student Name: %s",u.name);

    getch();
}
```

Output

```
Enter Student Name:Johan
Student Name: Johan
```