

Structure (1A)

Copyright (c) 2010 Young W. Lim.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

Please send corrections (or suggestions) to youngwlim@hotmail.com.

This document was produced by using OpenOffice.

Struct Declaration

new type



```
struct name {  
    int    i;  
    short  s;  
    char   c;  
};
```

Typedef (1)

new type



```
struct name {
```

```
    int    i;
```

```
    short  s;
```

```
    char   c;
```

```
} ;
```

```
typedef struct name  stname_t
```

Typedef (2)

new type



```
typedef struct name {  
    int    i;  
    short  s;  
    char   c;  
} stname_t;
```

Struct Variable Declaration (1)

new type



```
struct name {  
    int    i;  
    short  s;  
    char   c;  
};
```

```
struct name var;
```

Struct Variable Declaration (2)

new type



```
struct {  
    int    i;  
    short  s;  
    char   c;  
} var;
```

Struct Variable Declaration (3)

```
struct name {  
    int    i;  
    short  s;  
    char   c;  
};
```

```
typedef struct name  stname_t
```

```
stname_t  var ;
```


References

- [1] Essential C, Nick Parlante
- [2] Efficient C Programming, Mark A. Weiss
- [3] C A Reference Manual, Samuel P. Harbison & Guy L. Steele Jr.
- [4] C Language Express, I. K. Chun