

# Structure (1A)

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# 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