# Using typedef with an instance declaration. Wiki error?

In accordance to this Wiki page, it is possible to write the following structure:

```c
typedef struct my_struct {
    int integer;
} my_struct_t instance;
```

K&R do not mention this in "C Proglamming Language". Compiler also returns error during the compilation:

```
error: expected = , , , ; , asm , or __attribute__ before instance
```

Is it a Wiki error or I do something stupid?

c   struct   typedef   wiki

asked 1 hour ago
Alex
**2,349**  5  25

## 1 Answer

You misunderstand the page. You can *either* make a `typedef`, *or* define an instance of the structure, but not both.

It might be clearer if you read the whole page and not only syntax block at the top.

answered 1 hour ago
Joachim Pileborg
**58.7k**  5  28  70

The syntax they propose is still wrong - they tried to be too concise by adding the concept of `typedef` into a struct declaration syntax, as well as instantiation. – Sander De Dycker 1 hour ago

The syntax block is totally confusing. – Alex  1 hour ago

@Alex I agree that it's confusing, because they try to show all possible permutations of `struct` in one go. They should have two blocks, one for normal `struct` definitions and one for `typedef` definitions. – Joachim Pileborg 1 hour ago

## Not the answer you're looking for? Browse other questions tagged c

struct   typedef   wiki   or **ask your own question**.