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HW 6

EECS 665

ded: typedef

typedef: TYPEDEF type ID SEMICOLON / TYPEDEF STRUCT ID ID SEMICOLON

Q1: type need one more ID as a new type! type: INT
BOOL
VOID
ID

and the

typedef: ?

Q2: We donot need answer the four questions....

① kind and type

② typedef T xxx;

I think xxx is name, T is type, typedef is kind

In the beginning, T is (int, bool), if not, we should find other typedef that has been already defined! Finally, we need to consider duplicated name!

③ It is same as ②! declaration must have relative type and unduplicated name!

④ name xxx, check type is important, then

name xxx cannot be duplicated!

true + 7;
↑ ↑ ↑
bool Error int

Symbol table

Global

Month Day Year : Kind: struct Type [int month, int day, int year] Size: 12

data : Kind: typedef Type: struct Month Day Year

today : Kind: var Type: data

dollars : Kind: typedef Type: int

moreDollars : Kind: typedef Type: dollars

md : Kind: var Type: moreDollars

d : Kind: var Type: int

