

Program -> **main** () Compound-stmt

Compound-stmt -> { Local-declarations Stmt-list }

Local-declarations -> Local-declarations Var-declarations | ϵ

Var-declaration -> Type-specifier **ID** ; | Type-specifier **ID** [**Num**];

Type-specifier -> **int** | **void** | **bool** | **float**

Stmt-list -> Stmt-list Stmt | ϵ

Stmt -> Var = Operand Operator Operand ; | Var = Operand ;

Operand -> **Num** | Var

Var -> **ID** | **ID** [**Num**]

Operator -> + | - | * | / | %