

## Static Semantic Errors of Grammar 2

They are the errors that do not obey the following context-sensitive conditions:

1. The **program name identifier** may **not be declared elsewhere in the program**
2. **No identifier** may be **declared more than once in the declaration part**
3. **All identifiers** that appear in statements **must be declared in the declaration part**
4. The **identifier on LHS** of an assignment statement **must be a variable**, and **the expression on RHS must be of the same type**.
5. The **type of the expression** in if statement **is boolean**.
6. The **identifier in read statement** **must be declared as variable** and **of type int or char**.