Static Semantic Errors of VEN Grammar

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

1. Each distinct **<name>** may be declared at most once in the <declartion-seq> of any <block> and listed at most once in any <parameter-list>.

2. A **<name> contained in a command C** must either be declared in some <block> containing C or listed in the <parameter-list> of some procedure containing C. If there is more than one such defining occurrence of the <name>, it is the innermost one that applies in C.

3. The **<name> on the left side of an assignment command** must be declared as a variable, and **the expression on the right** must be of the same type.

4. A **<name>** occurring as an integer element must be an integer variable.

5. A **<name>** occurring as a boolean element must be a boolean variable.

6. The **<name> in a read** command must be an integer variable.

7. The **<name> in call** command must be of type proc. If the procedure so named has parameters, an equal number of <name>s must be present in the call, and the type of each name must match the type of the corresponding parameter.