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Question 1

Complete the following statements:

Type compatibility by _____ means the two variables have compatible types if they are in either the same declaration or in declarations that use the same type name

Type compatibility by _____ means that two variables have compatible types if their types have identical structures

The _____ of a variable is the range of statements over which it is visible

The _____ variables of a program unit are those that are visible but not declared there

The _____ rules of a language determine how references to names are associated with variables

The _____ of a statement is the collection of all names that are visible in the statement

An _____ type is one in which the range of possible values can be easily associated with the set of positive integers

An _____ is an aggregate of homogeneous data elements in which an individual element is identified by its position in the aggregate, relative to the first element

A _____ is a possibly heterogeneous aggregate of data elements in which the individual elements are identified by names

_____ references allow leaving out record names as long as the reference is unambiguous

A _____ type is a type in which the range of values consists of memory addresses and a special value, nil (or null)

A _____ points to a heap-dynamic variable that has been deallocated