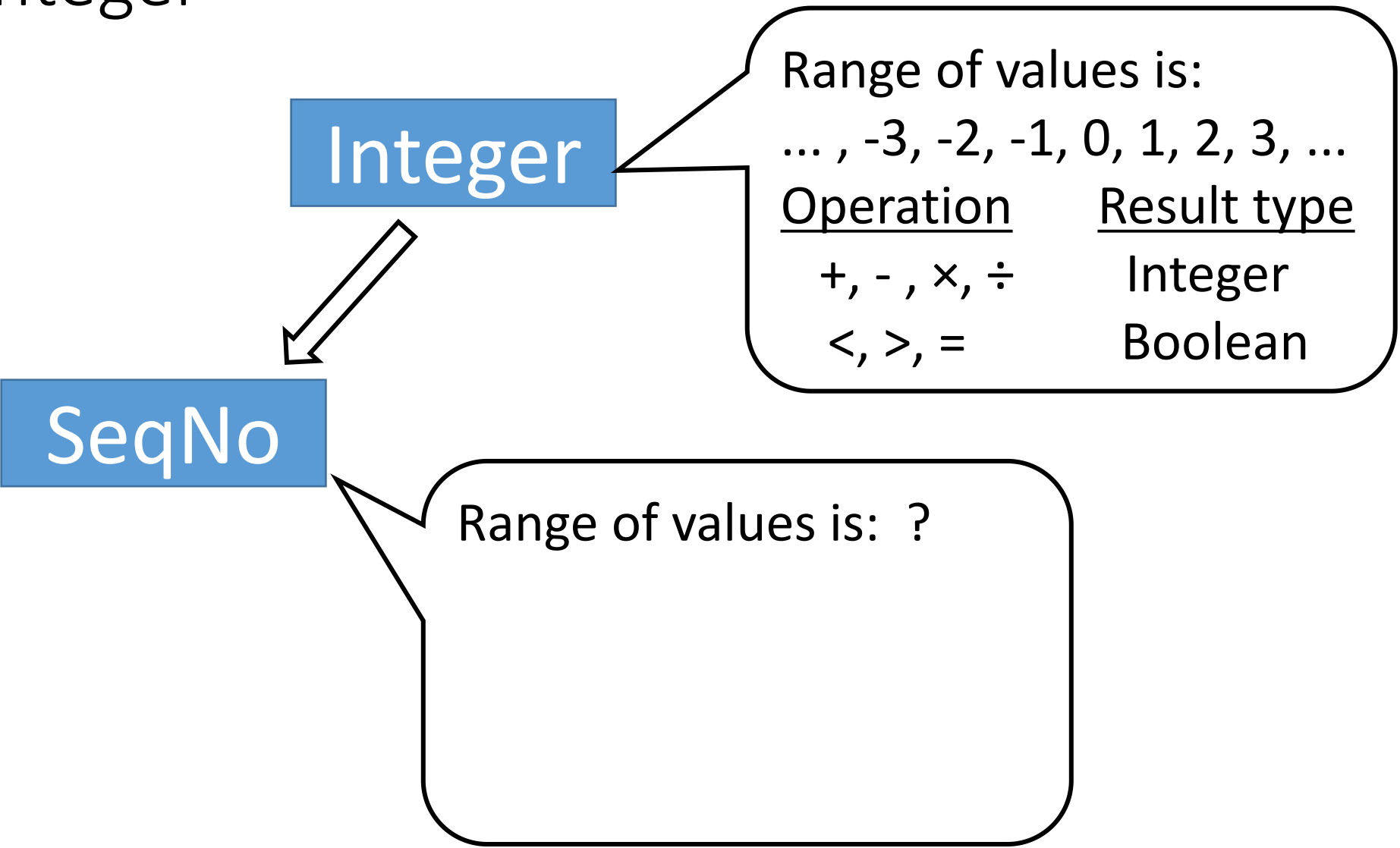




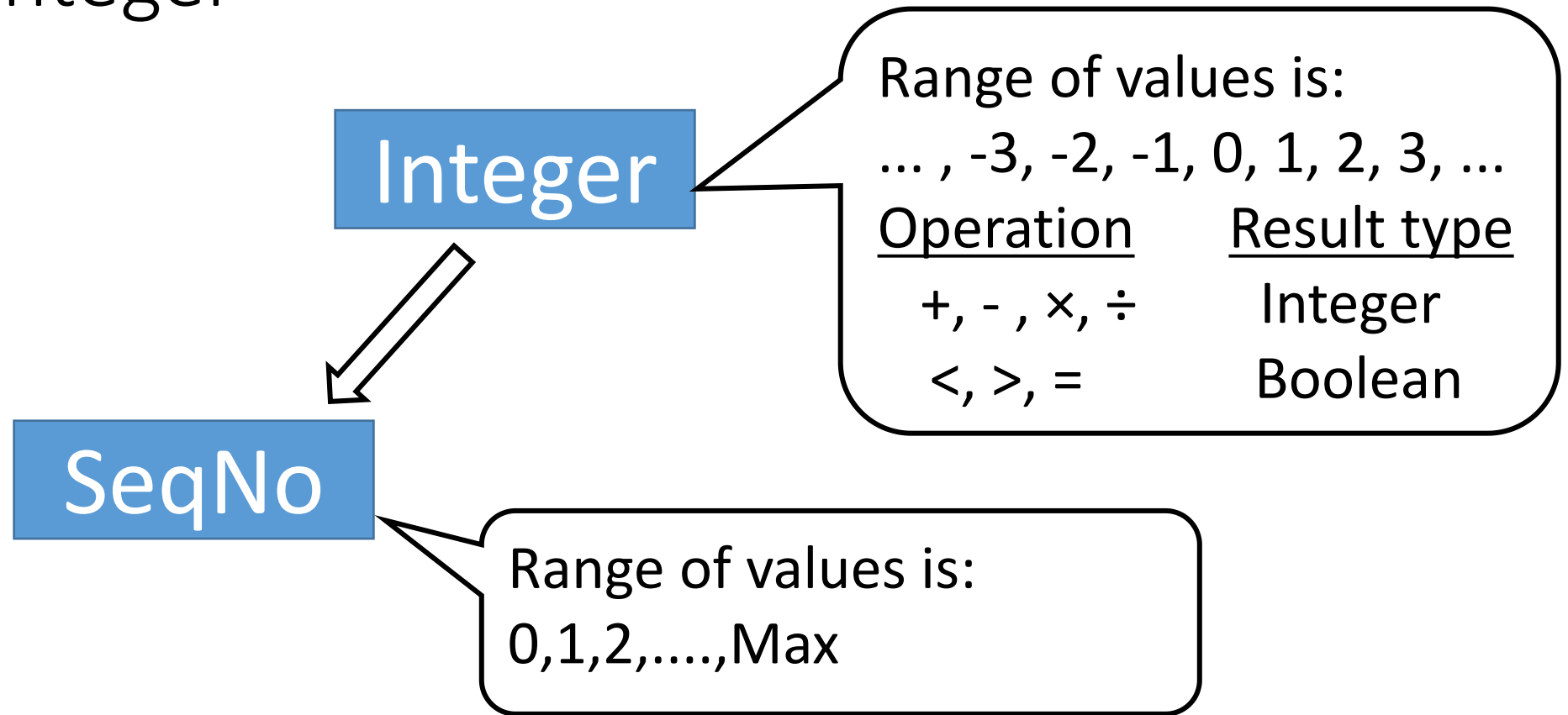
IIT Madras
ONLINE DEGREE

Subtypes

Subtypes of Integer

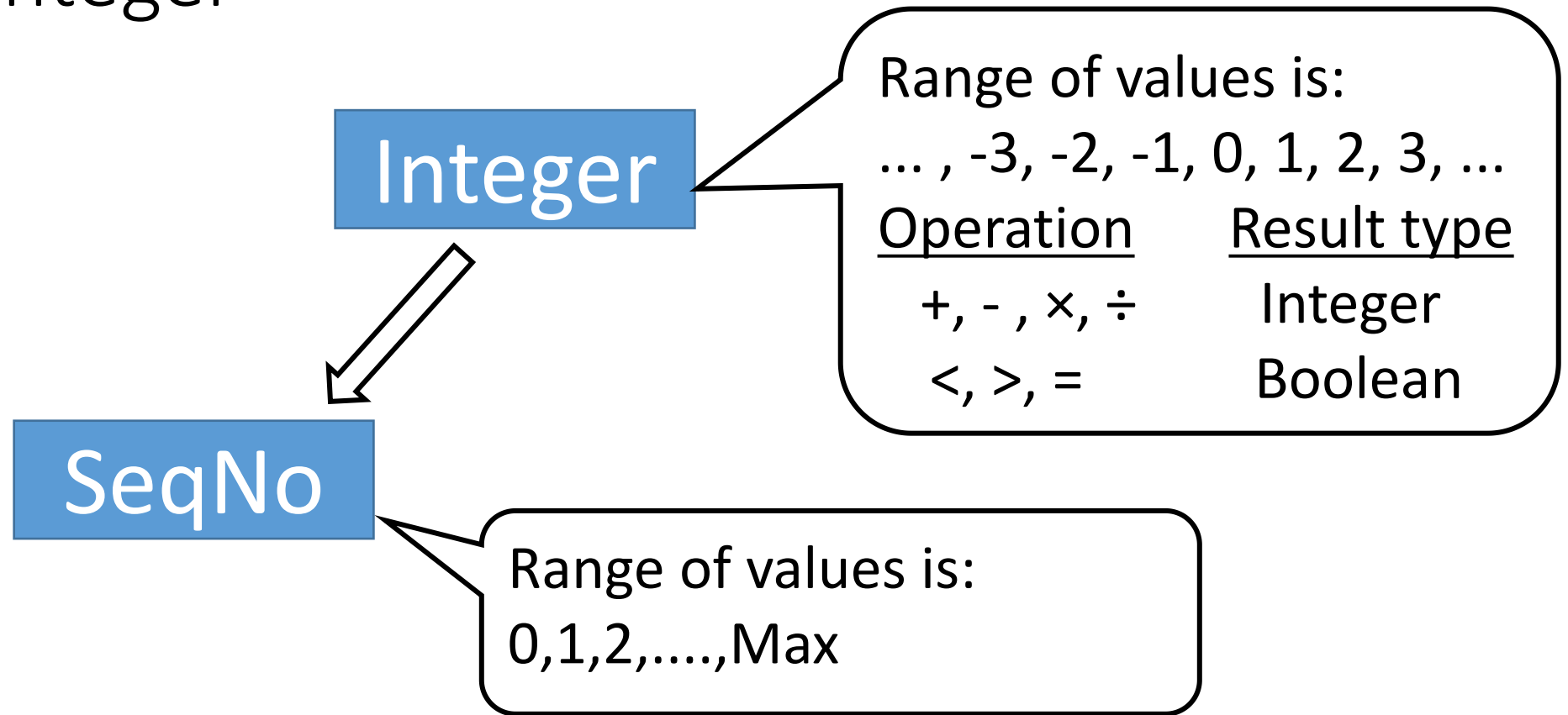


Subtypes of Integer



Max can be some reasonable number, e.g. 10000, which is the largest data set size that we can handle

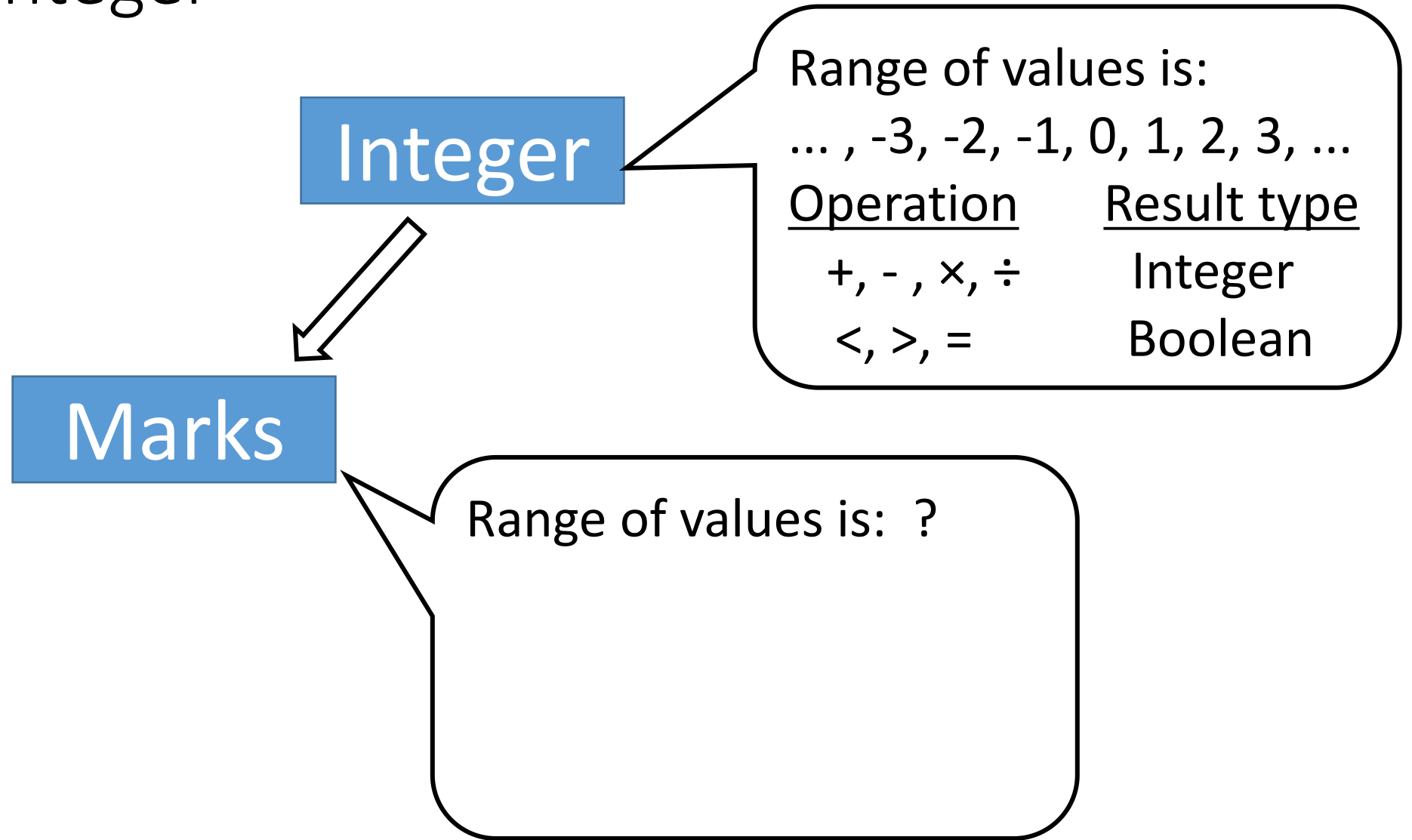
Subtypes of Integer



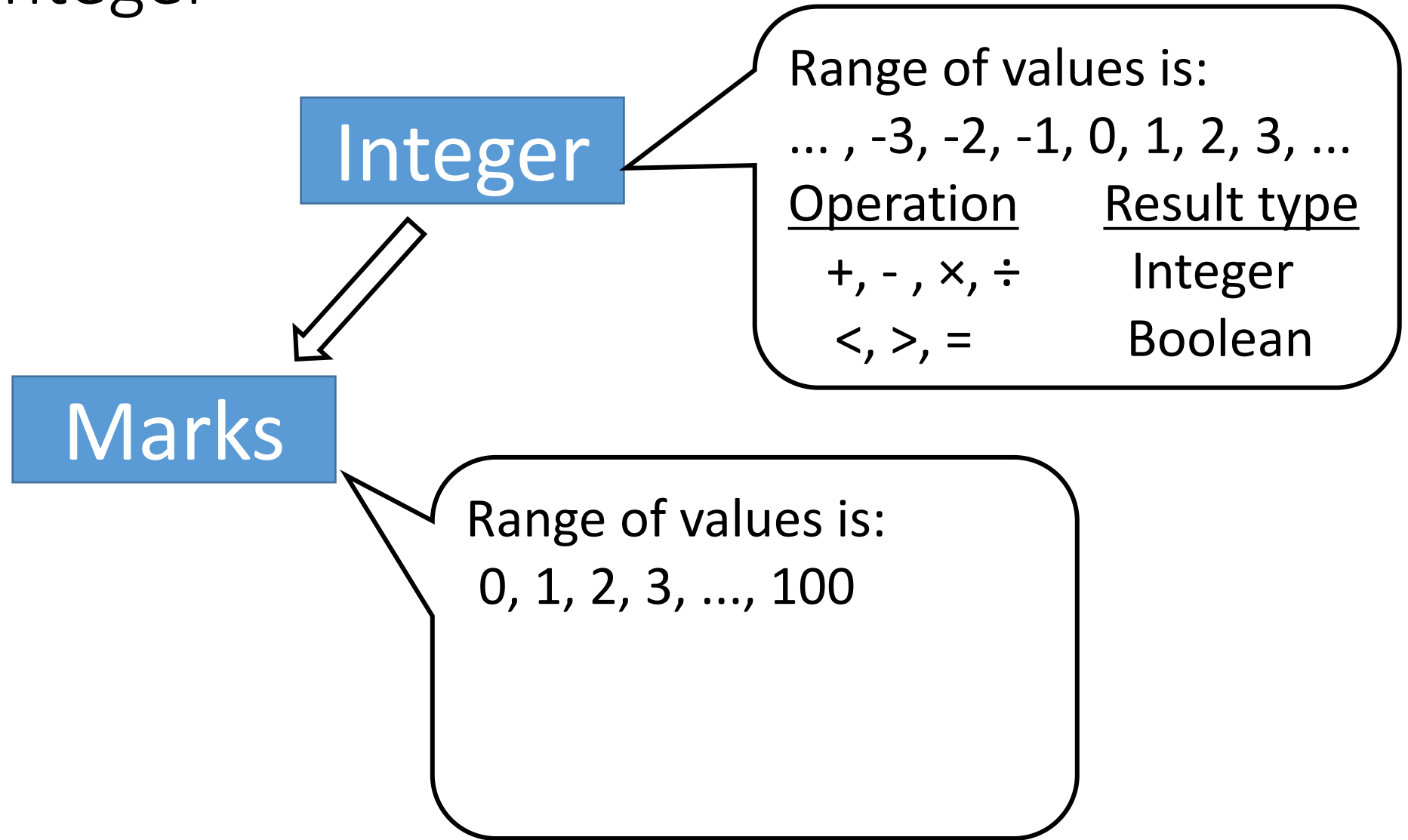
Max can be some reasonable number, e.g. 10000, which is the largest data set size that we can handle

None of the integer operations make sense for the SeqNo data type

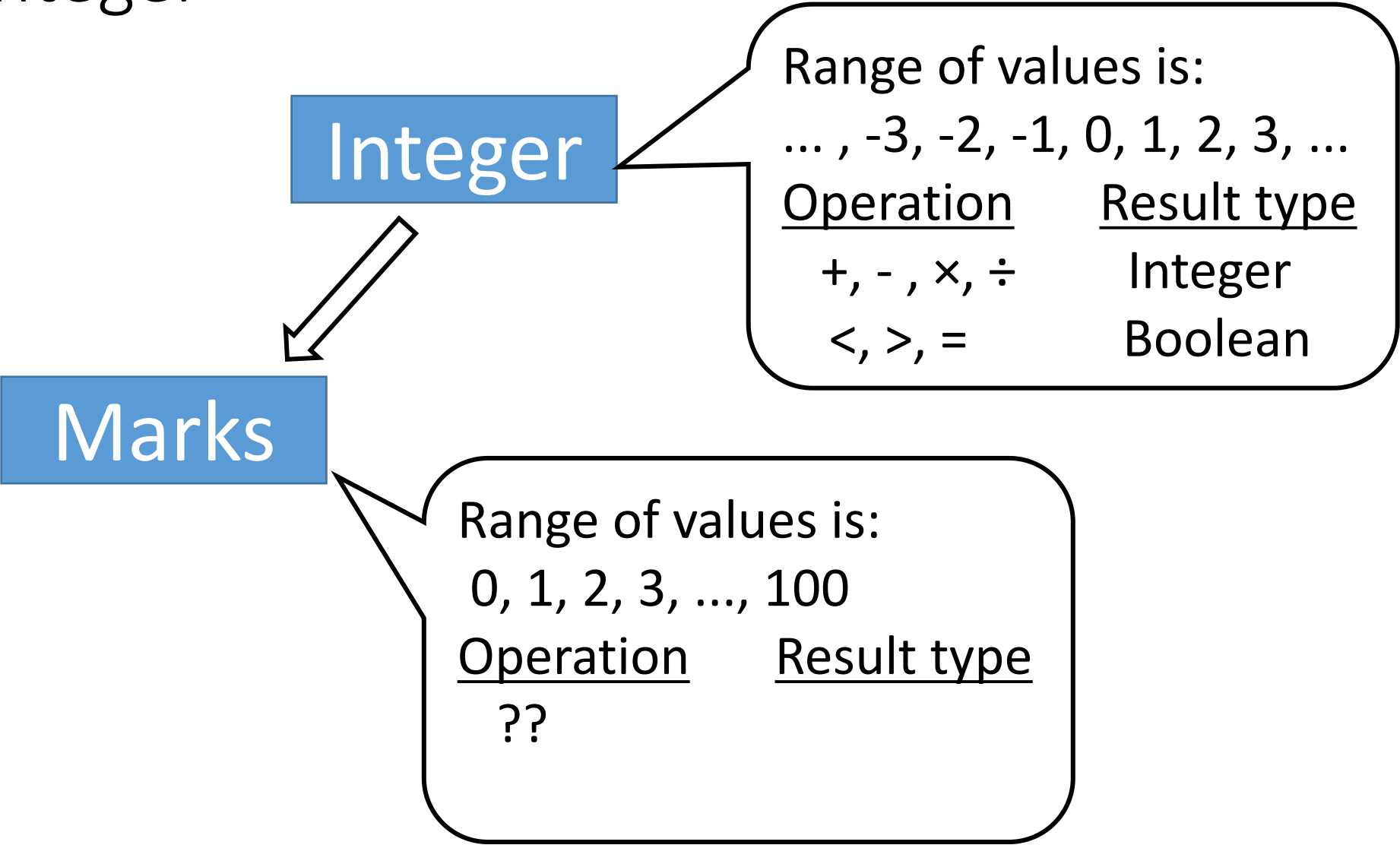
Subtypes of Integer



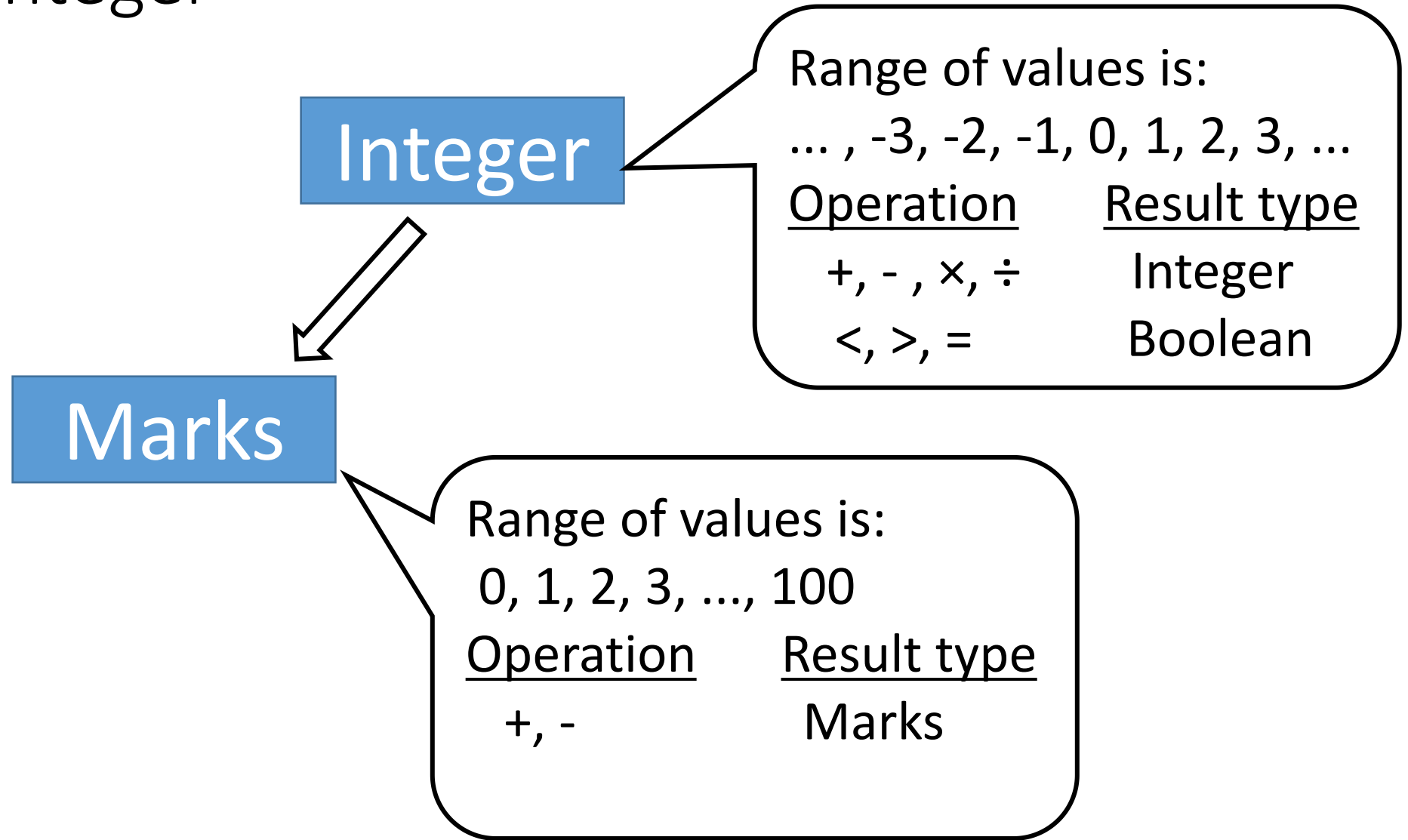
Subtypes of Integer



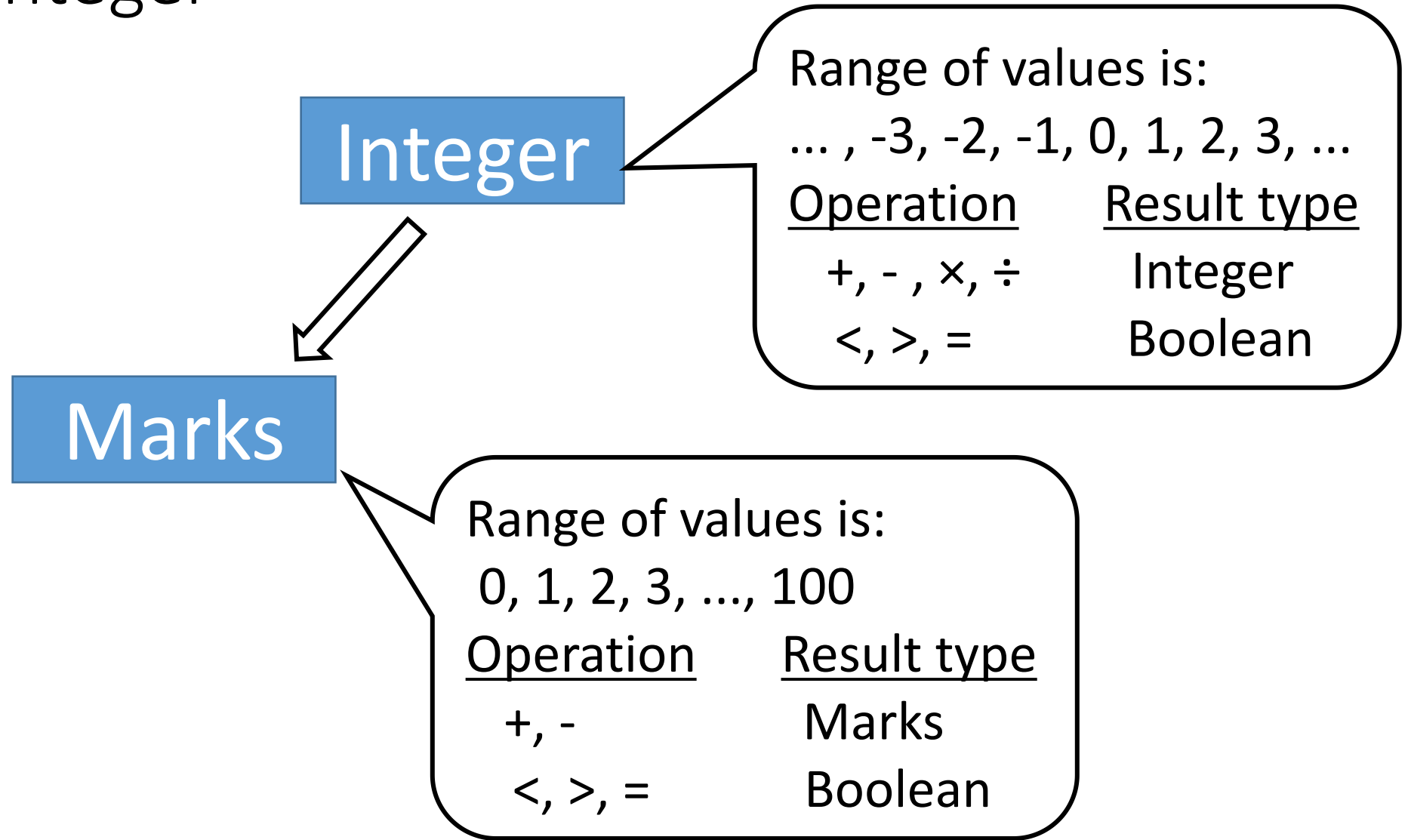
Subtypes of Integer



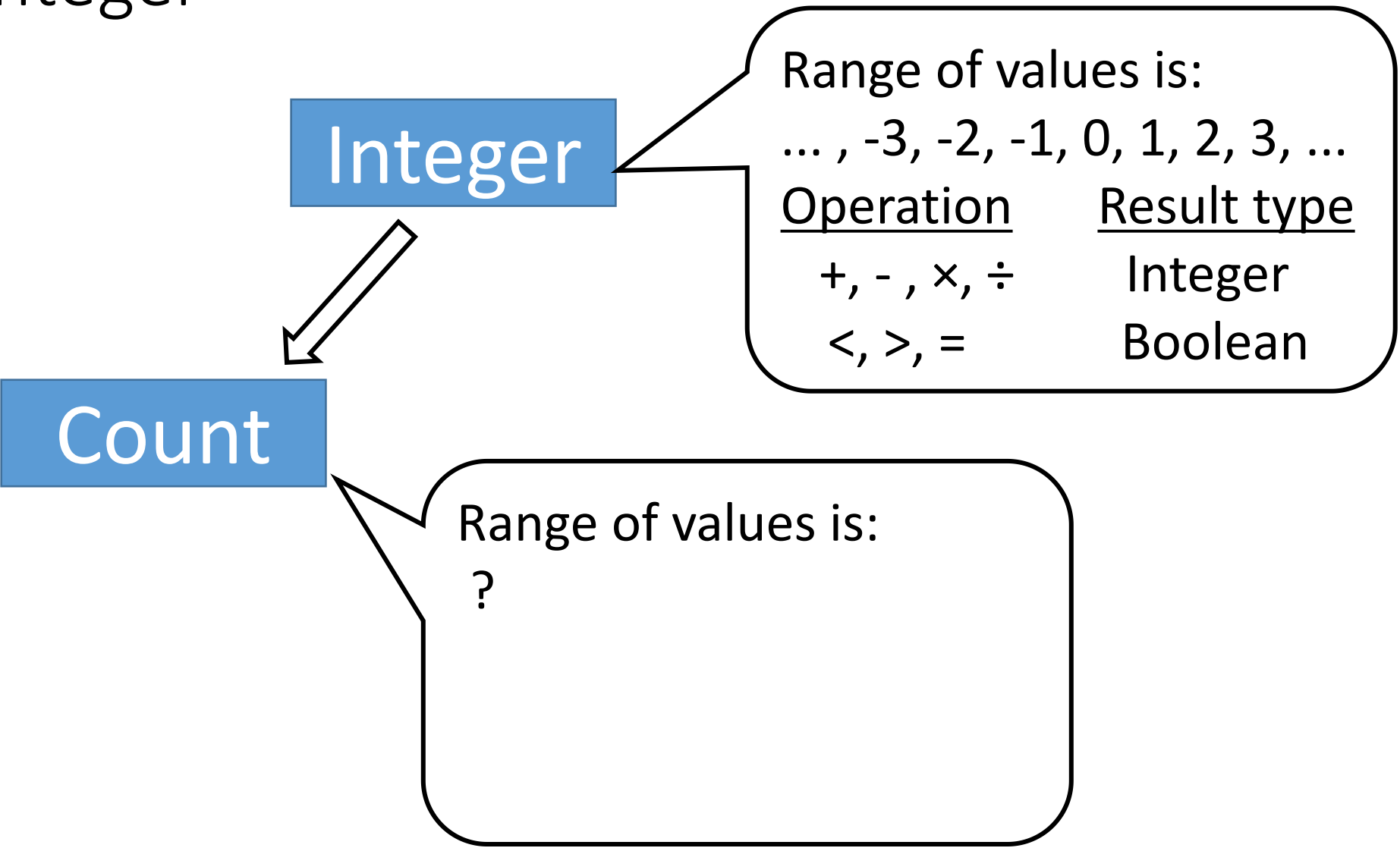
Subtypes of Integer



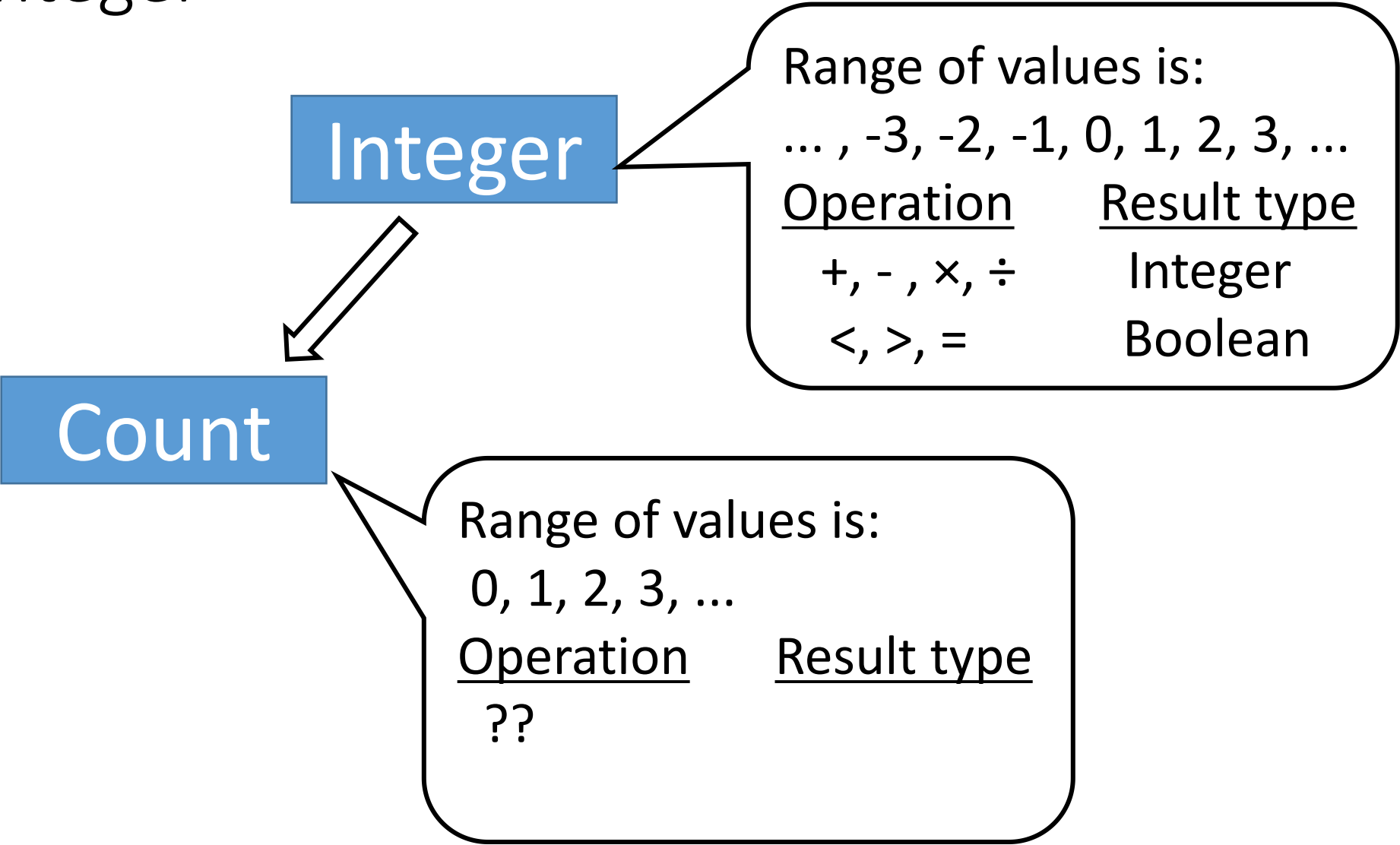
Subtypes of Integer



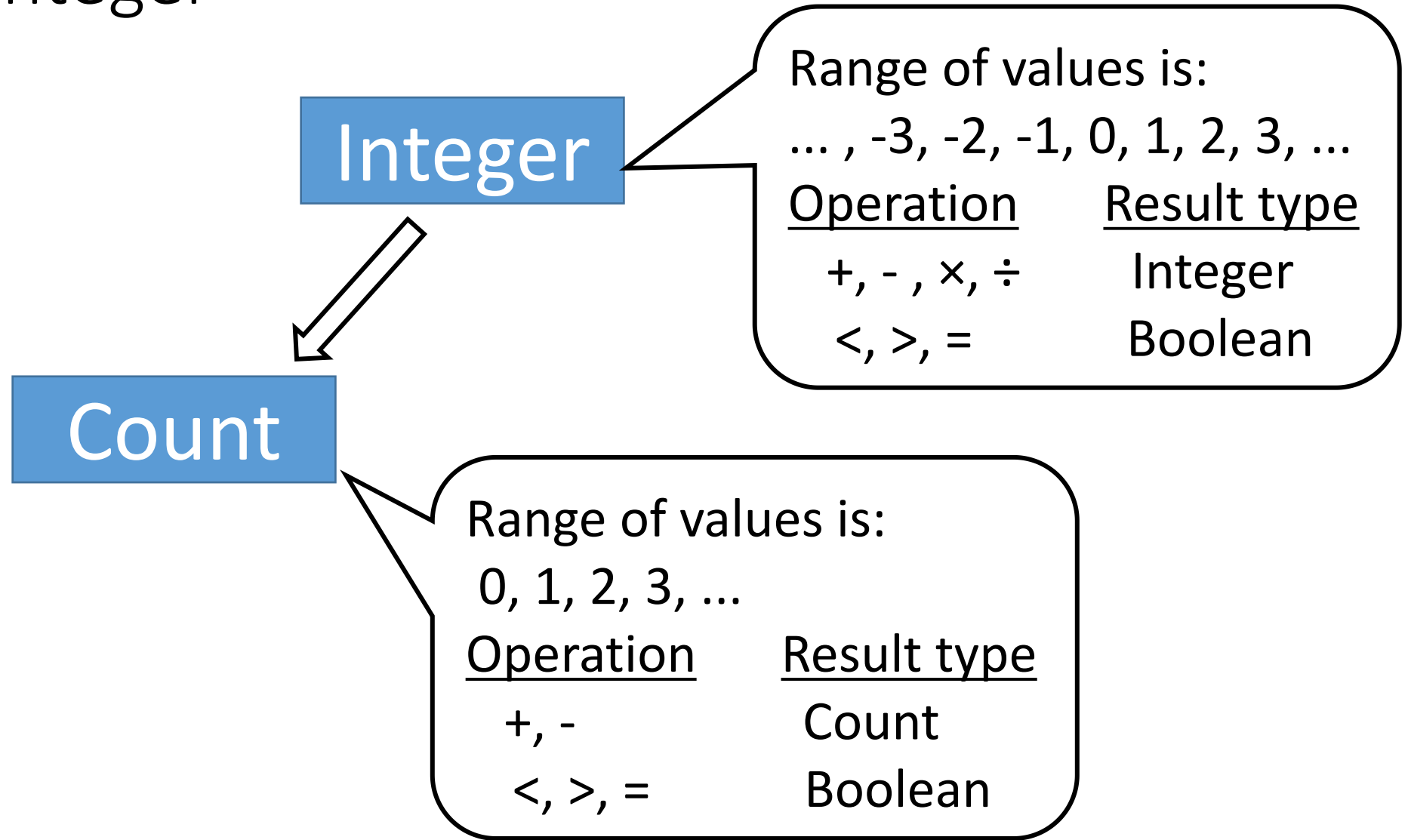
Subtypes of Integer



Subtypes of Integer

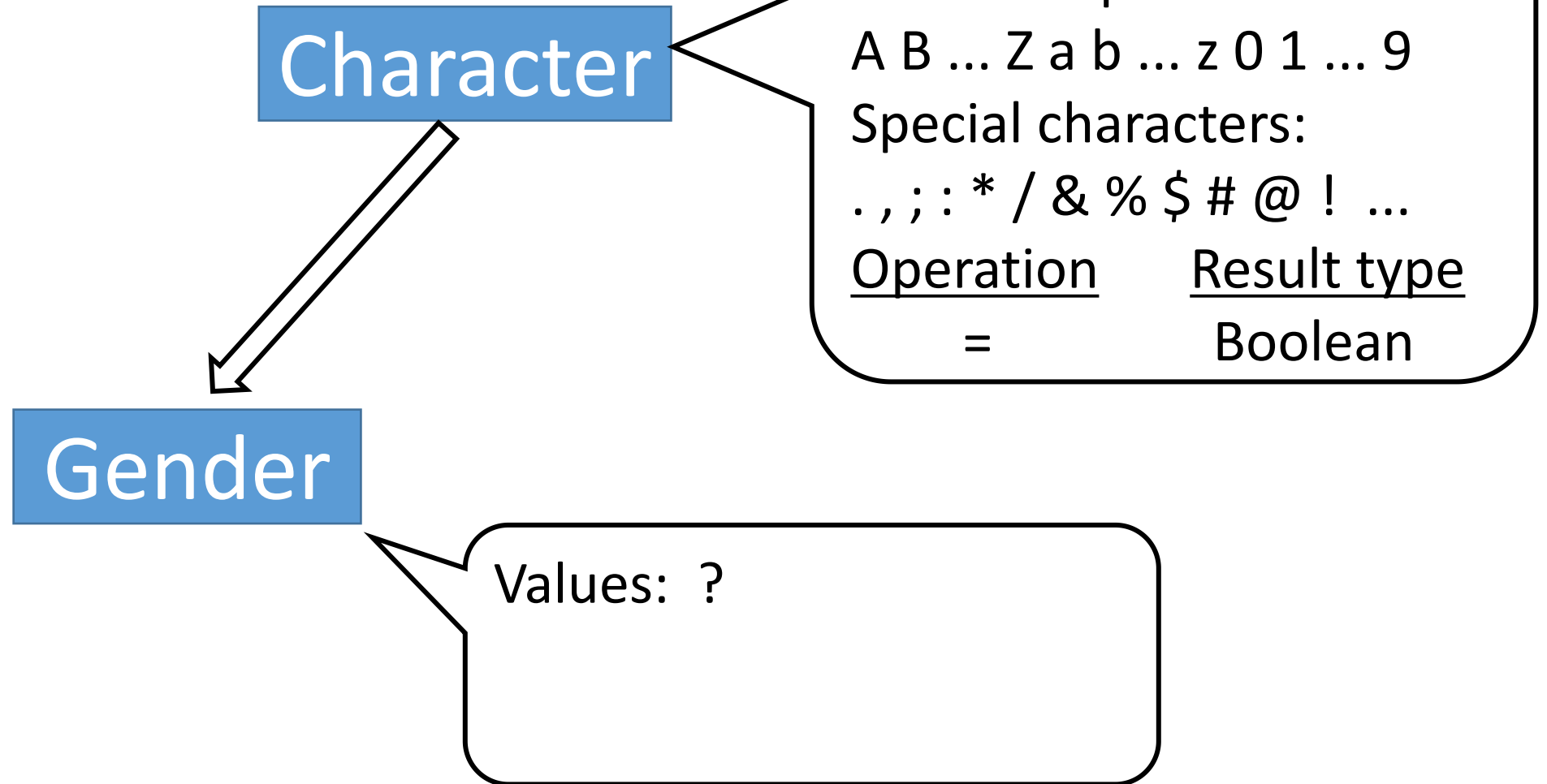


Subtypes of Integer

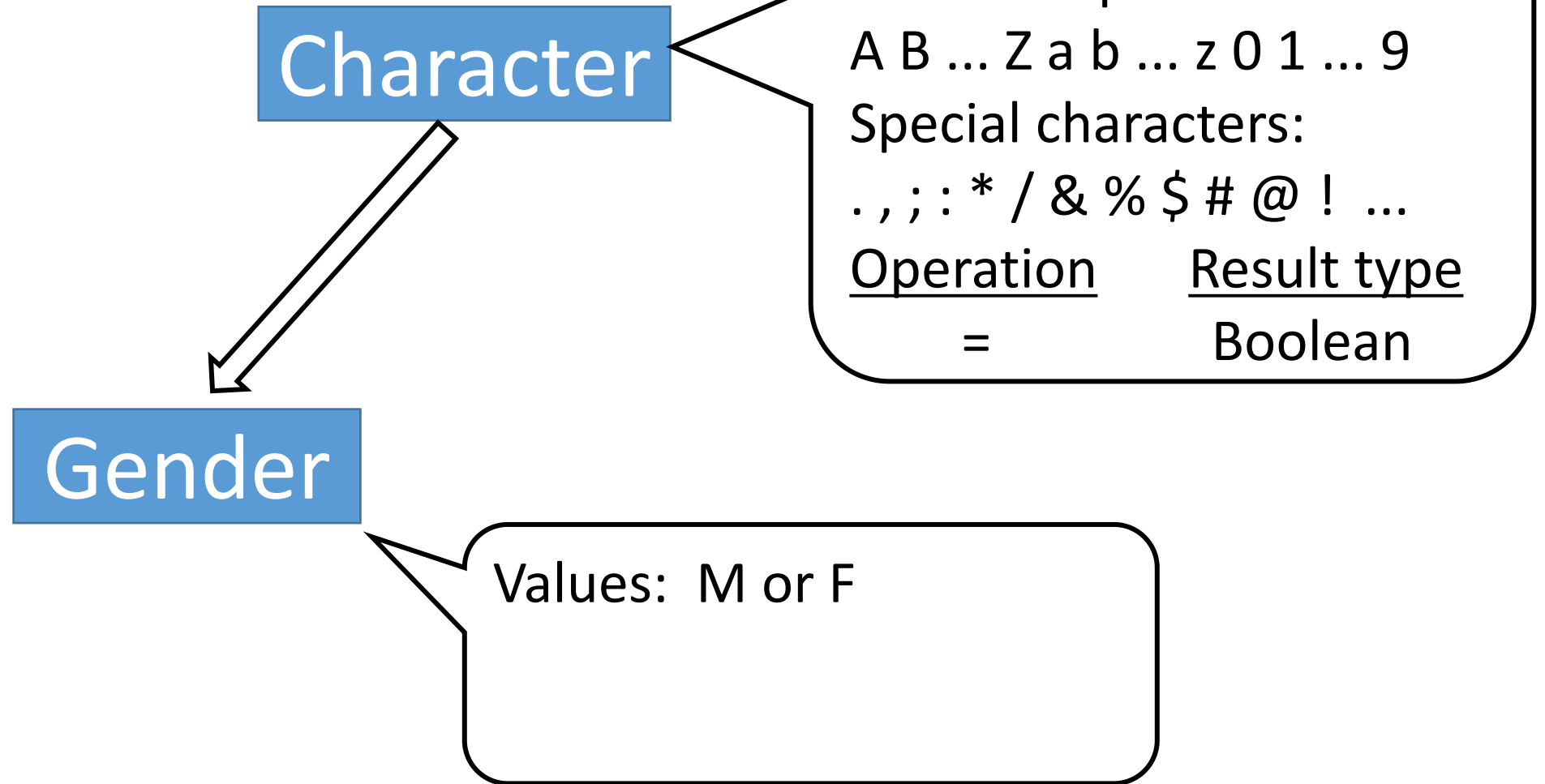


×, ÷ do not make sense for counts

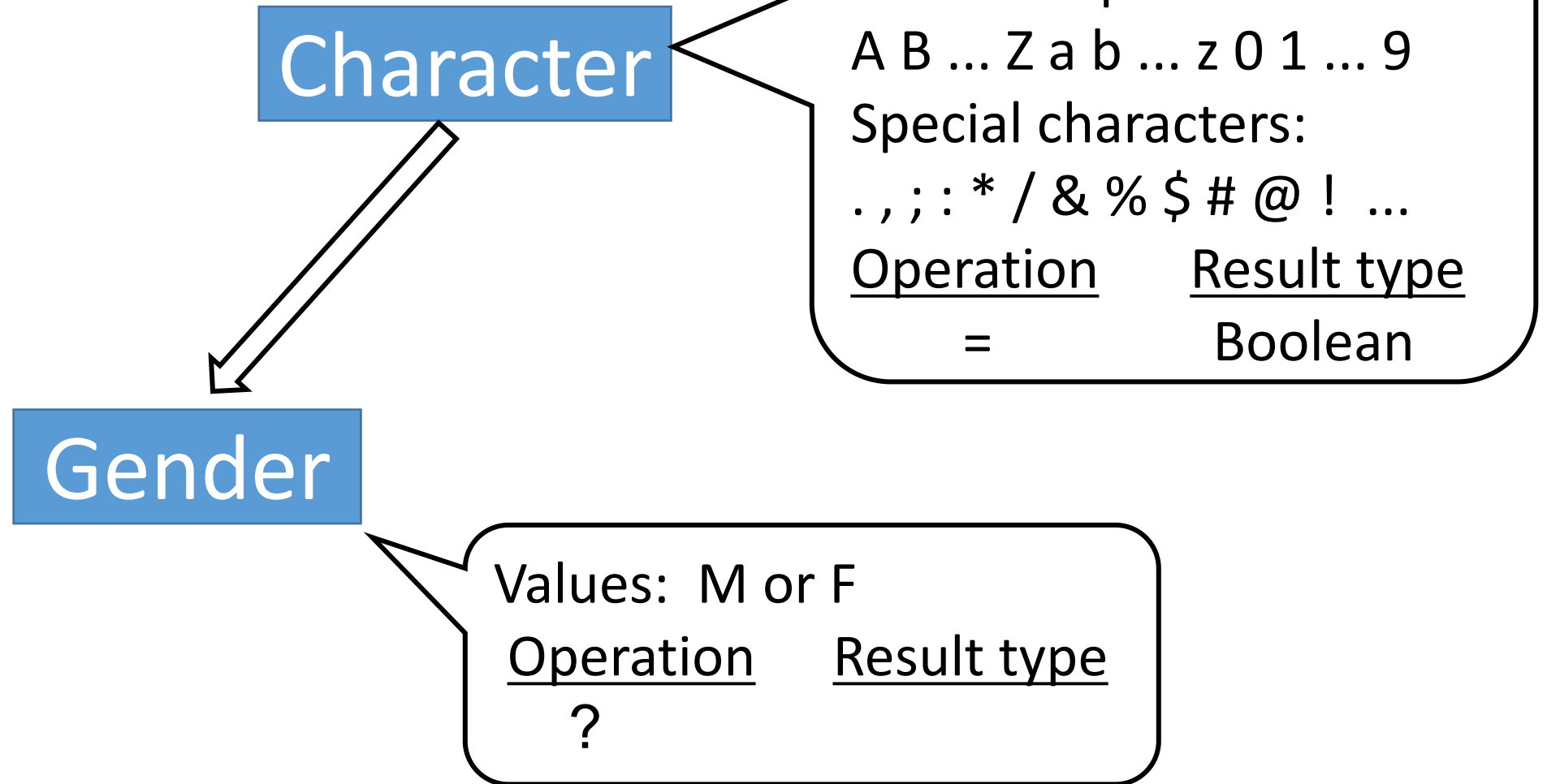
Character Data Type and its subtype



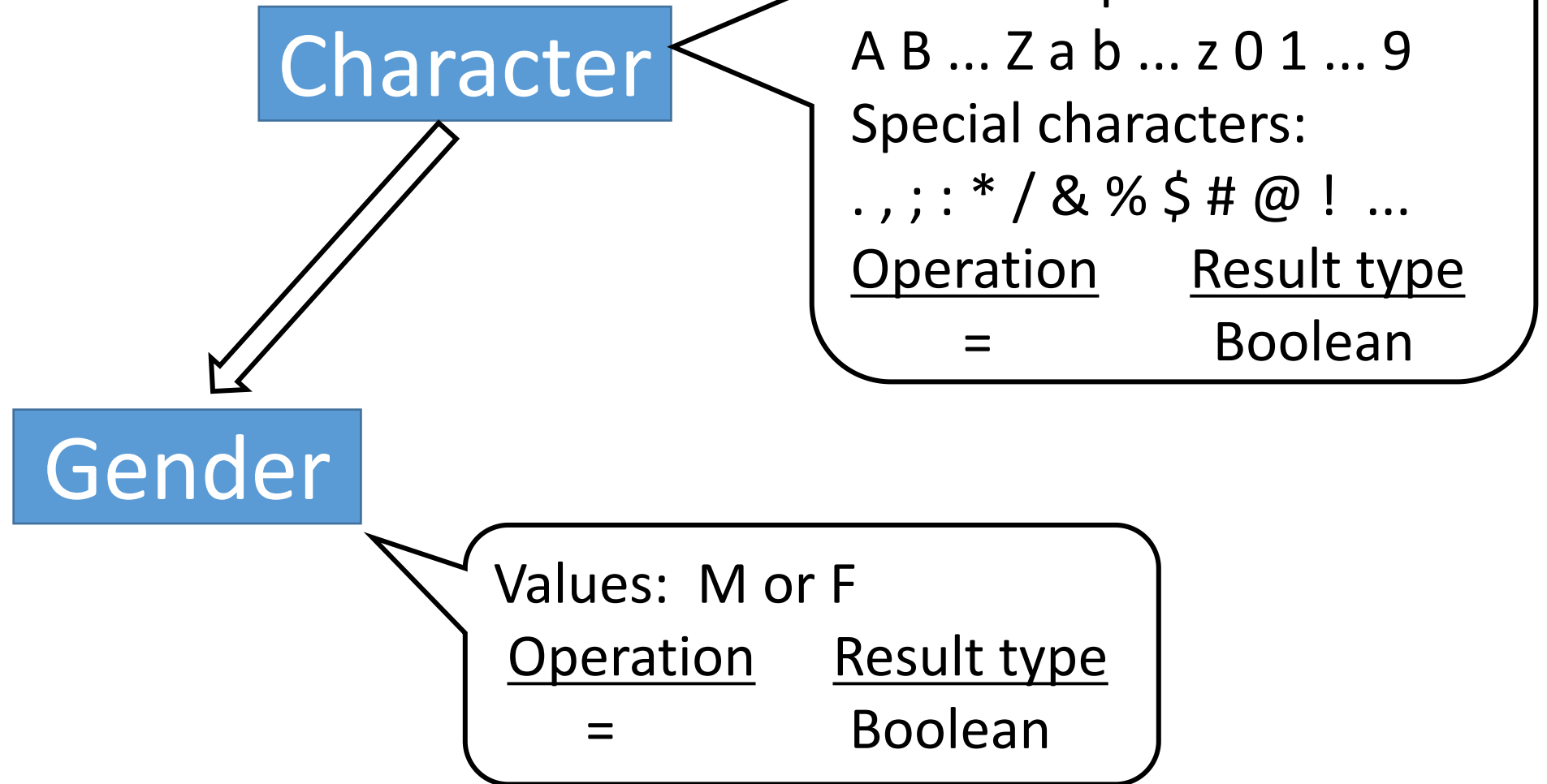
Character Data Type and its subtype



Character Data Type and its subtype



Character Data Type and its subtype



String Data Type and its subtypes

String



```
graph LR; String[String] --- Definition[Values - any sequence of characters];
```

The diagram consists of a blue rectangular box with the word 'String' in white text. To the right of this box is a large, rounded rectangular callout bubble with a black border. Two lines connect the right side of the 'String' box to the top-left corner of the callout bubble, forming a pointer. Inside the callout bubble, the text 'Values - any sequence of characters' is written in black.

Values - any sequence of characters

String Data Type and its subtypes

String

Values - any sequence of characters

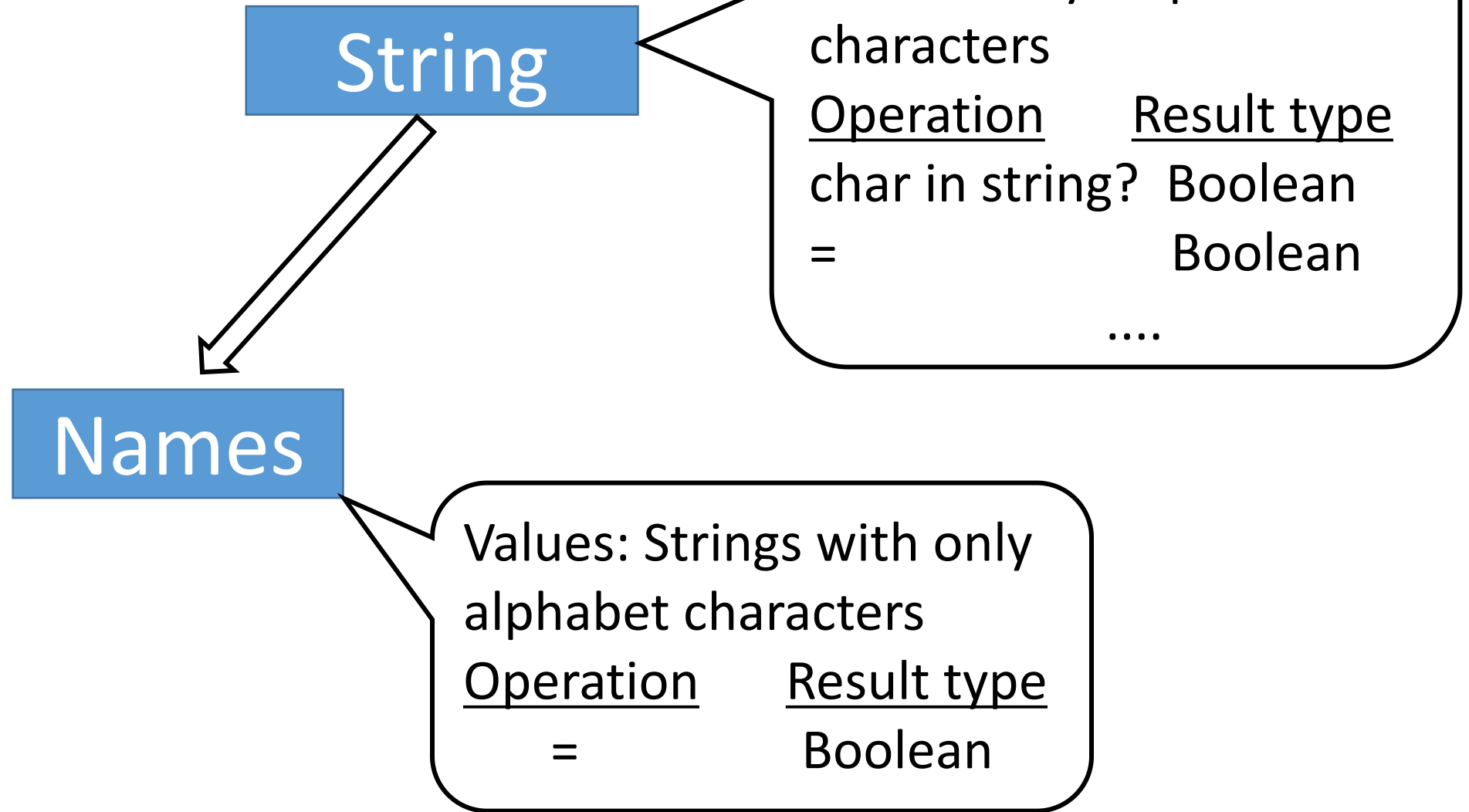
<u>Operation</u>	<u>Result type</u>
------------------	--------------------

char in string?	Boolean
-----------------	---------

=	Boolean
---	---------

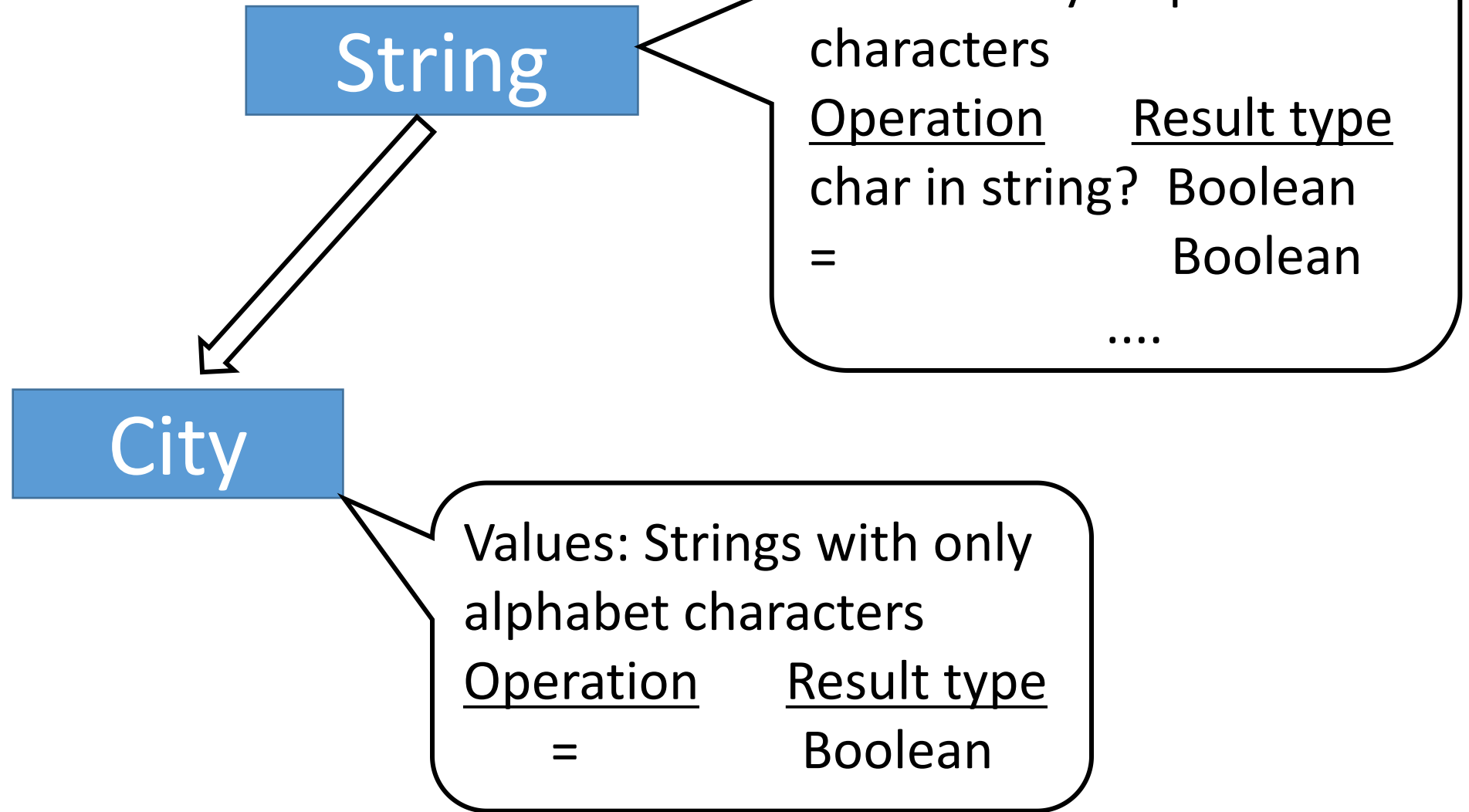
....

String Data Type and its subtypes



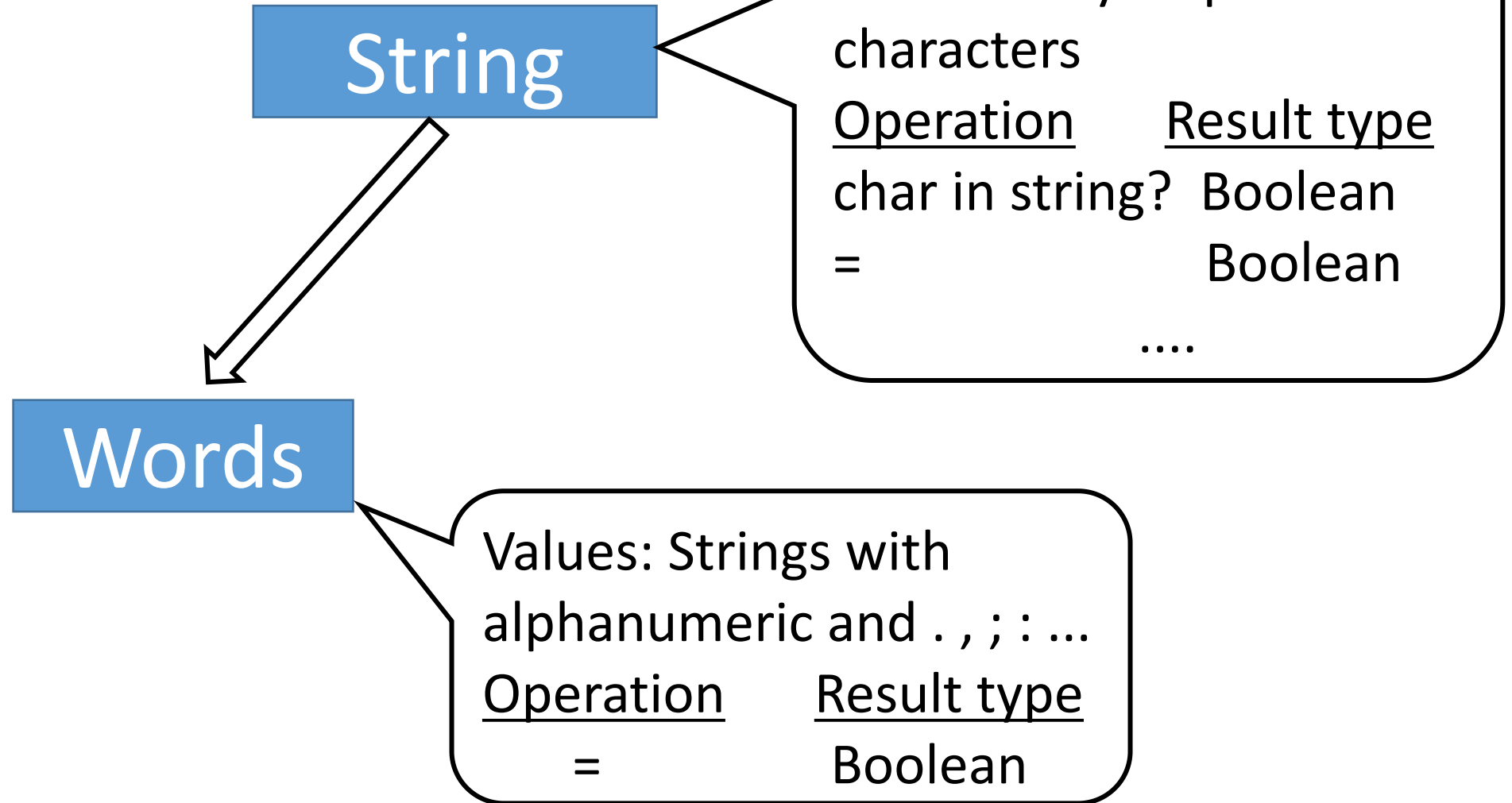
Note - Change from video: String made more restrictive and operation added

String Data Type and its subtypes



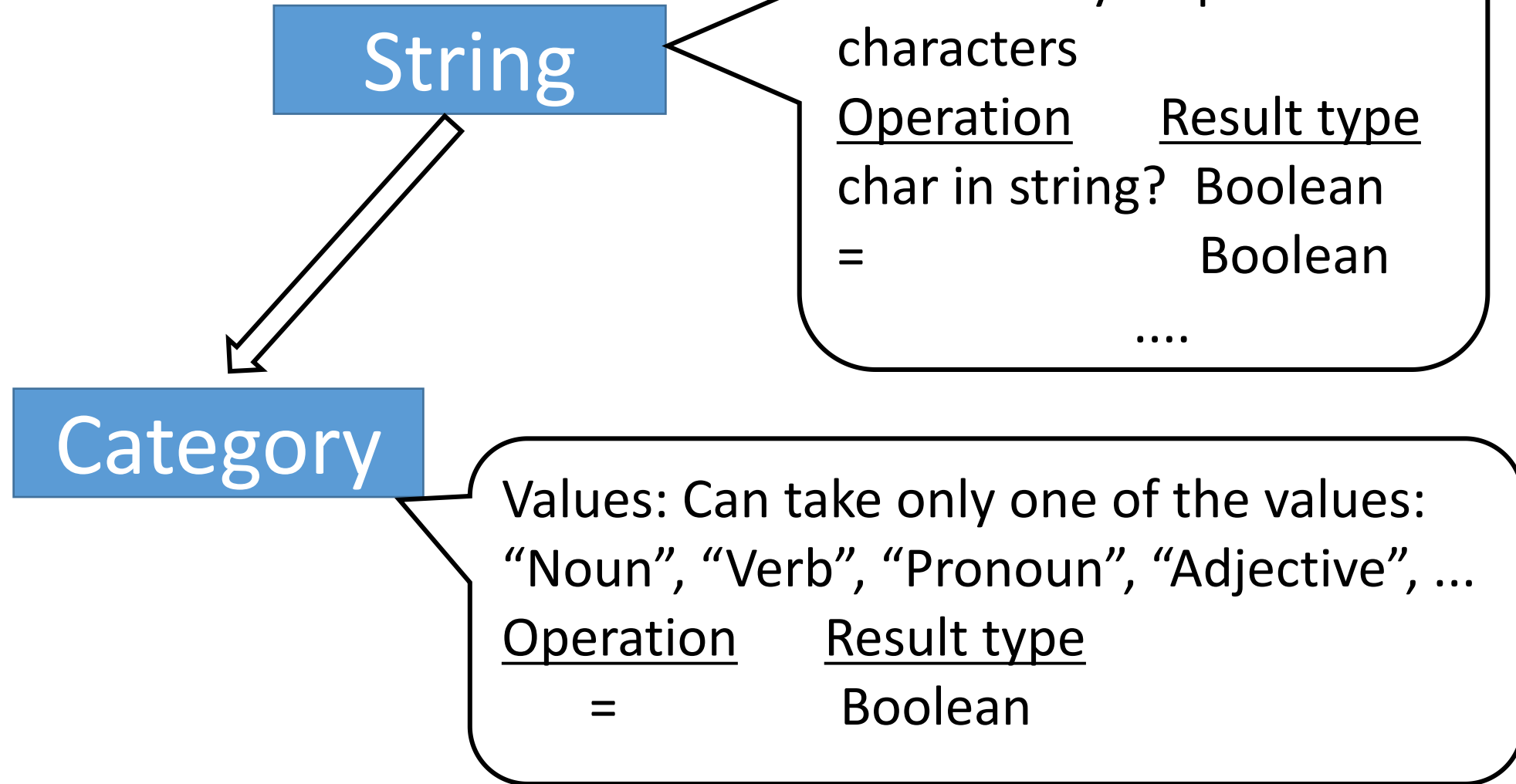
Note - Change from video: String made more restrictive and operation added

String Data Type and its subtypes



Note - Change from video: operation added

String Data Type and its subtypes



Note - Change from video: operation added