

#### 4.14.2 The +, −, and ~ operators

These operators permit their operand to be of any type and produce a result of the Number primitive type.

The unary + operator can conveniently be used to convert a value of any type to the Number primitive type:

```
function getValue() { ... }  
  
var n = +getValue();
```

The example above converts the result of 'getValue()' to a number if it isn't a number already. The type inferred for 'n' is the Number primitive type regardless of the return type of 'getValue'.

#### 4.14.3 The ! operator

The ! operator permits its operand to be of any type and produces a result of the Boolean primitive type.

Two unary ! operators in sequence can conveniently be used to convert a value of any type to the Boolean primitive type:

```
function getValue() { ... }  
  
var b = !!getValue();
```

The example above converts the result of 'getValue()' to a Boolean if it isn't a Boolean already. The type inferred for 'b' is the Boolean primitive type regardless of the return type of 'getValue'.

#### 4.14.4 The delete Operator

The 'delete' operator takes an operand of any type and produces a result of the Boolean primitive type.

#### 4.14.5 The void Operator

The 'void' operator takes an operand of any type and produces the value 'undefined'. The type of the result is the Undefined type (3.2.6).

#### 4.14.6 The typeof Operator

The 'typeof' operator takes an operand of any type and produces a value of the String primitive type. In positions where a type is expected, 'typeof' can also be used in a type query (section 3.6.3) to produce the type of an expression.

```
var x = 5;  
var y = typeof x; // Use in an expression  
var z: typeof x;  // Use in a type query
```

In the example above, 'x' is of type 'number', 'y' is of type 'string' because when used in an expression, 'typeof' produces a value of type string (in this case the string "number"), and 'z' is of type 'number' because when used in a type query, 'typeof' obtains the type of an expression.