The WyScript Language Specification

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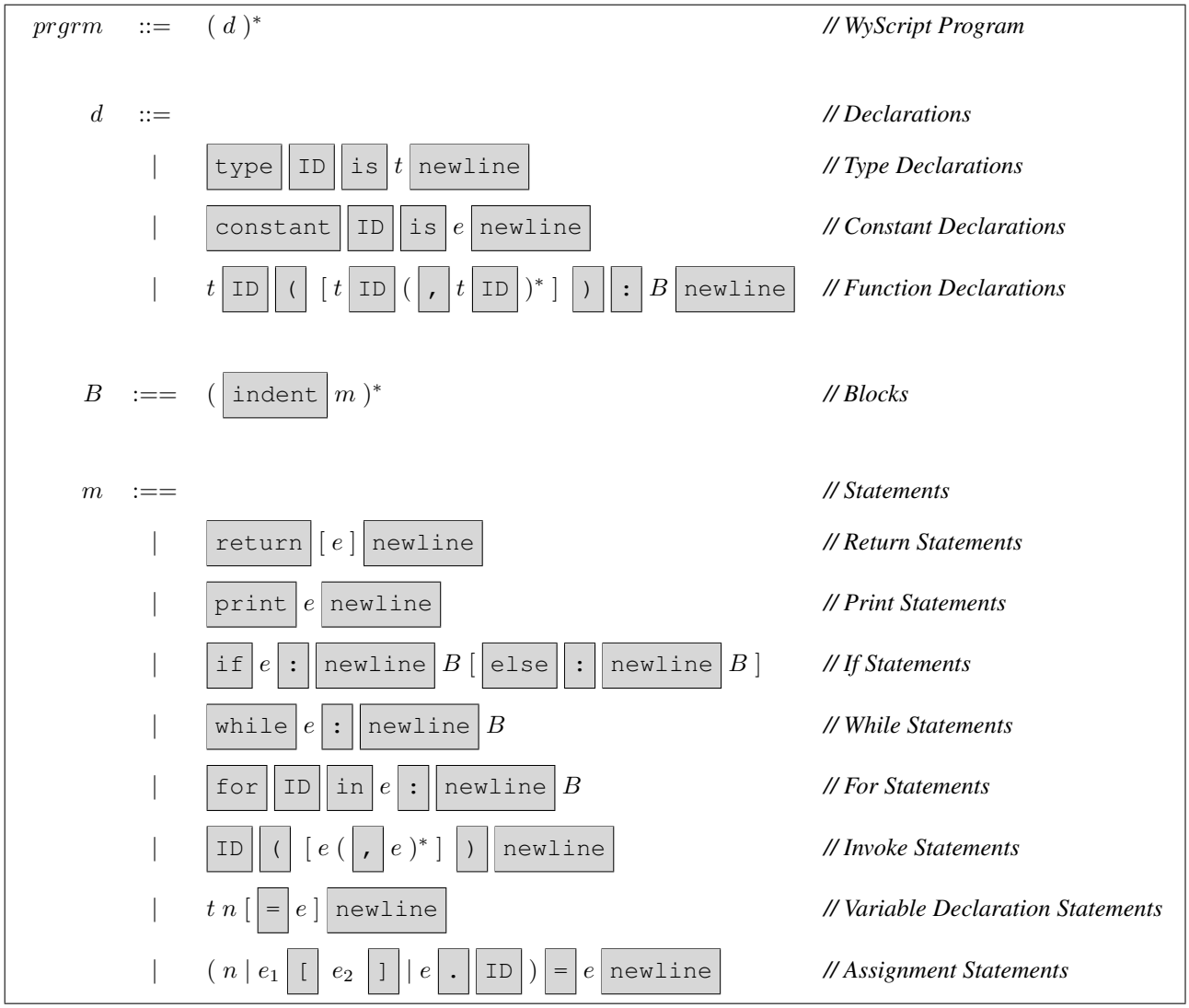

Figure 2.1: Syntax for Declarations, Blocks and Statements

Chapter 2

Syntax

e	::=		*// Expressions*
	|	b	*// Boolean constants*
	|	i	*// Integer constants*
	|	r	*// Rational constants*
	|	c	*// Character constants*
	|	s	*// String constants*
	|	n	*// Variables*
	|	`null`	*// Null constant*
	|	`(` e `)`	*// Bracketed expressions*
	|	`|` e `|`	*// Size expressions*
	|	e_1 `[` e_2 `]`	*// Index Expressions*
	|	e `[` e_1 `..` e_2 `]`	*// Range Expressions*
	|	e `.` `ID`	*// Access Expressions*
	|	`ID` `(` [$\overline{e}$ (`,` e)*] `)`	*// Invocation expressions*
	|	`[` [e_1 (`,` e_i)*] `]`	*// List expressions*
	|	`{` [`ID` `:` e_1 (`,` `ID`$_i$ `:` e_i)*] `}`	*// Record Assignment expressions*

Figure 2.2: Syntax for Expressions

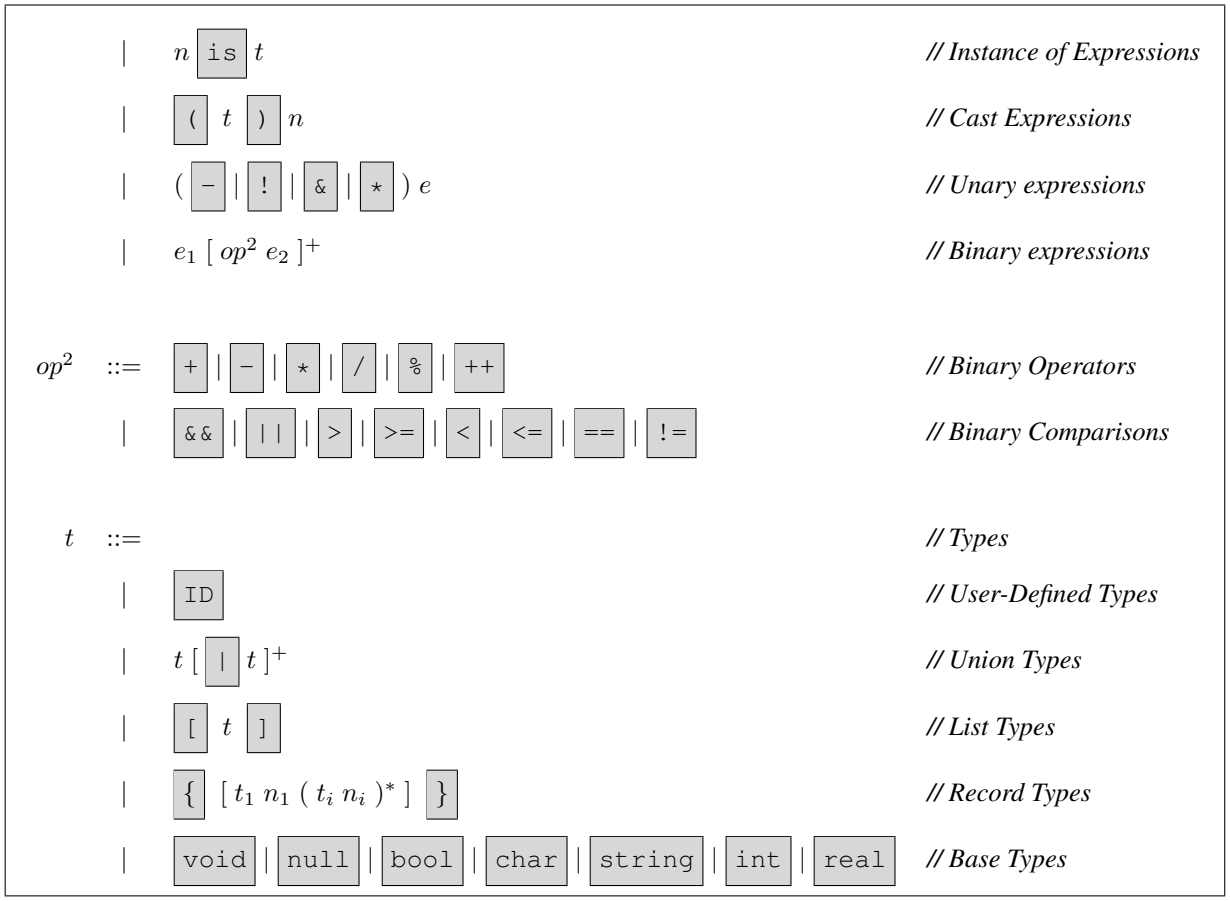

Figure 2.3: Syntax for Operations and Types