

Set (*continued*)

- data types, in type taxonomy, 55, 210
 - declaration, example of, 78
 - difference, 78, 145, 168, 209
 - equality, 78
 - implementation of, 83
 - inclusion, 78, 208
 - inequality, 78
 - intersection, 78, 145, 168, 209
 - membership, 76, 78, 208
 - operators, 78–80, 146, 168–169
 - sample program using, 79–80, 82–85, 129–131
 - types
 - definition of, 76, 158
 - EBNF for, 158, 218, 228
 - syntax diagram for, 76
 - union, 78, 146, 169, 209
- Side effects, 125–126, 146
- Sign
- EBNF for, 150, 220, 228
 - (*see also* Arithmetic operators)
- SignedInteger, EBNF for, 150
- SignedNumber, EBNF for, 150
- SignedReal, EBNF for, 150
- Simple
- data types, in type taxonomy, 14, 15, 210
 - expressions, 31, 165–167
 - EBNF for, 165, 217, 228
 - syntax diagrams for, 31, 233
 - statements, 170–172
 - EBNF for, 170, 216, 228
 - types, 14–20, 143, 153–154
 - EBNF for, 153, 217, 228
 - and function result, 122, 146
 - predefined, 15, 154–155
 - syntax diagram for, 15
 - (*see also* Ordinal types, Real)
- Sin, 20, 193, 206, 211
- Sine, *see* Sin
- SkipBlanks, sample procedure for, 134–135
- Space, as separator, 150
(*see also* Blank)
- SpecialSymbol, EBNF for, 149

Spelling

- of directive, 149
 - of identifier, 149
 - of label, 178
 - and scope, 178
 - of word symbol, 149
- Sqr, 18, 20, 36, 192, 206, 211
- Sqrt, 20, 193, 207, 211
- Square root, example function for, 183 (*see also* Sqrt)
- Square, *see* Sqr
- Standard Pascal, 147, 200–201, 203
- Start symbol, for EBNF for Pascal, 214
- Statement, 1, 170–177
- compound, 22, 172
 - EBNF for, 170, 216, 228
 - empty, 34, 44, 170
 - part
 - EBNF for, 170, 215, 228
 - syntax diagram for, 22
 - separators, 7, 34
 - sequence, EBNF for, 172, 216, 228
 - simple or structured, 28
 - syntax diagram for, 29, 238
- Static variables, 94, 145
- Stepwise refinement, for programming, 81, 242–245
- String
- constants, 12–13, 150–151
 - construction, 209
 - element, EBNF for, 151, 220, 228
 - parameters, 117
 - types, 63, 155, 156
 - and compatibility, 159
 - write, 135, 137, 198–199
(*see also* Character strings)
- Structured
- programming, 81
 - statements, 146, 172–177
 - EBNF for, 172, 217, 228
 - type identifier, EBNF for, 155, 219, 228
 - types, 14, 144, 155–159
 - EBNF for, 155, 217, 228
 - syntax diagram for, 56
 - taxonomy of, 55, 210