1. Learn operator precedence from this table (from highest to lowest)

| Operator | Description | Associativity |
|---|---|---|
| ()<br>[]<br>. | Parentheses<br>Array subscript<br>Member selection | Left to Right |
| ++<br>-- | Unary post-increment<br>Unary post-decrement | Right to left |
| ++<br>—<br>+<br>–<br>!<br>~<br>( *type* ) | Unary pre-increment<br>Unary pre-decrement<br>Unary plus<br>Unary minus<br>Unary logical negation<br>Unary bitwise complement<br>Unary type cast | Right to left |
| *<br>/<br>% | Multiplication<br>Division<br>Modulus | Left to right |
| +<br>– | Addition<br>Subtraction | Left to right |
| <<<br>>><br>>>> | Bitwise left shift<br>Bitwise right shift with sign extension<br>Bitwise right shift with zero extension | Left to right |
| <<br><=<br>><br>>=<br>instanceof | Relational less than<br>Relational less than or equal<br>Relational greater than<br>Relational greater than or equal<br>Type comparison (objects only) | Left to right |
| ==<br>!= | Relational is equal to<br>Relational is not equal to | Left to right |
| & | Bitwise AND | Left to right |
| ^ | Bitwise exclusive OR | Left to right |
| \| | Bitwise inclusive OR | Left to right |
| && | Logical AND | Left to right |
| \|\| | Logical OR | Left to right |

| ? : | Ternary conditional | Right to left |
|---|---|---|
| =<br>+=<br>-=<br>*=<br>/=<br>%= | Assignment<br>Addition assignment<br>Subtraction assignment<br>Multiplication assignment<br>Division assignment<br>Modulus assignment | Right to left |

2. **[OPTIONAL]** Read the chapter #4 of Java: The Complete Reference - Herbert Schildt