**Comparison and Logic Operators**

Here is a table of the comparison operators you can use in your Python programs.

| **Operator** | **Description** | **Example** |
| --- | --- | --- |
| == | Checks if the value of two operands are equal | 1 == 2 => False 1 == 1 => True |
| != | Checks if the value of two operands are not equal | 1 != 2 => True 1 != 1 => False |
| > | Checks if the value of left operand is greater than the value of right operand | 1 > 2 => False 2 > 1 => True |
| < | Checks if the value of left operand is less than the value of right operand | 1 < 2 => True 2 < 1 => False |
| >= | Checks if the value of left operand is greater than or equal to the value of right operand | 1 >= 2 => False 2 >= 2 => True |
| <= | Checks if the value of left operand is less than or equal to the value of right operand | 1 <= 2 => True 2 <= 2 => True |
| and | Checks that each expression on the left and right are both True | (1 <= 2) and (2 <= 3) => True (1 <= 2) and (2 >= 3) => False (1 >= 2) and (2 >= 3) => False |
| or | Checks if either the expression on the left or right is True | (1 <= 2) or (2 >= 3) => True (1 <= 2) or (2 <= 3) => True (1 >= 2) or (2 >= 3) => False |
| not | Reverses the true-false value of the operand | not True => False not False => True not 1 >= 2 => True not 1 <= 2 => False not (1 <= 2 and 2 >= 3)  => True not 1 <= 2 and 2 >= 3 => False |