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| Operator Overloading Special Functions in Python | | |
| Operator | Expression | Internally |
| Addition | o1 + o2 | \_\_add\_\_(self,other) |
| Subtraction | o1 - o2 | \_\_sub\_\_(self,other) |
| Multiplication | o1 \* o2 | \_\_mul\_\_(self,other) |
| Power | p1 \*\* p2 | \_\_pow\_\_(self,other) |
| Division | p1 / p2 | \_\_truediv\_\_(self,other) |
| Floor Division | p1 // p2 | p1.\_\_floordiv\_\_(p2) |
| Remainder (modulo) | p1 % p2 | p1.\_\_mod\_\_(p2) |
| Bitwise Left Shift | p1 << p2 | p1.\_\_lshift\_\_(p2) |
| Bitwise Right Shift | p1 >> p2 | p1.\_\_rshift\_\_(p2) |
| Bitwise AND | p1 & p2 | p1.\_\_and\_\_(p2) |
| Bitwise OR | p1 | p2 | p1.\_\_or\_\_(p2) |
| Bitwise XOR | p1 ^ p2 | p1.\_\_xor\_\_(p2) |
| Bitwise NOT | ~p1 | p1.\_\_invert\_\_() |