

Python Operators and Expressions

1. Write each of following equations as Python expressions

$3a+ba$	
$2x+y^5$	
$\frac{5y+x}{2x}$	
$x(5+y)^{2a}$	
$ab+ac^2$	

2. Write the output of the following expressions

$2+2*2**3$	
$4\%7+5//2$	
$(9\%5)**2/4$	
$25**(1/2)/2$	
$5\%3*2+20$	

3. Write the output of the following expressions

248&31	
248&31<<2	
85^170	
~20>>2	
84 170	

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85^170	
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4. Write the output of the following expressions

$2**3 \geq 8\%10$	
$81**0.5 \geq 9\%10$	
$9/3 > 5\%3 \sim 2$	
$\text{not } \sim 2 < \sim 2 \text{ or } 8\%3 > 1$	
$\sim 2 < \sim 2 \text{ and } 8\%3 > 1$	