

$++a$
↑
prefix
(pre increment)

$a++$ → prefix
(pre increment)

Ex

$x = x + 1$; or $x + 1 = 1$; or $++x$;
 $x++$;

Decrementation of preincrements

$$\frac{x}{5} \quad \frac{y}{8}$$

$$\left. \begin{array}{l} 2 = \frac{++x + y}{\textcircled{1}} \\ \hline \textcircled{2} \end{array} \right\} \begin{array}{l} ++x \\ 2 = x + y \end{array}$$

$$\frac{6}{\underline{\underline{6}}} \quad \frac{8}{\underline{\underline{8}}} \quad \frac{14}{\underline{\underline{14}}}$$

postincrements

$$\left. \begin{array}{l} 2 = \frac{x++ + y}{\textcircled{1}} \\ \hline \textcircled{2} \end{array} \right\} \begin{array}{l} 2 = x + y; \\ x++; 6 \end{array}$$

$$\frac{6}{\underline{\underline{6}}} \quad \frac{8}{\underline{\underline{8}}} \quad \frac{13}{\underline{\underline{13}}}$$

$$\left. \begin{array}{l} 2 = \frac{++x + x}{\textcircled{1}} \\ \hline \textcircled{2} \end{array} \right\} \begin{array}{l} ++x; \\ 2 = x + x; \end{array}$$

$$\frac{6}{\underline{\underline{6}}} \quad \frac{8}{\underline{\underline{8}}} \quad \frac{12}{\underline{\underline{12}}}$$