

$$A = \begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \end{pmatrix}$$

$$B = \begin{pmatrix} 10 & 13 & 16 \\ 11 & 14 & 17 \\ 12 & 15 & 18 \end{pmatrix}$$

$$X = \text{stack}(A, B)$$

$$X = \begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \\ 10 & 13 & 16 \\ 11 & 14 & 17 \\ 12 & 15 & 18 \end{pmatrix}$$

$$Y = \text{augment}(A, B)$$

$$Y = \begin{pmatrix} 1 & 4 & 7 & 10 & 13 & 16 \\ 2 & 5 & 8 & 11 & 14 & 17 \\ 3 & 6 & 9 & 12 & 15 & 18 \end{pmatrix}$$

```
1    commandwindow
2    clc
3    clear
4    A=[1 4 7; 2 4 5; 3 6 9]
5    B=[10 13 16; 11 14 17; 12 15 18]
6    C=horzcat(A,B)
7    D=vertcat(A,B)
```

Command Window

New to MATLAB? See resources for [Getting Started](#).

1	4	7
2	4	5
3	6	9
10	13	16
11	14	17
12	15	18