

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

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

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

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

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

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

Command Window

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

A =

```
1 4 7
2 5 8
3 6 9
```

B =

```
10 13 16
11 14 17
12 15 18
```

X =

```
1 4 7
2 5 8
3 6 9
10 13 16
11 14 17
12 15 18
```

Y =

```
1 4 7 10 13 16
2 5 8 11 14 17
3 6 9 12 15 18
```

fx >>

Editor - C:\Users\ DELL\Desktop\MATLAB CLASSWORKS\assignment.m

assignment.m x +

```
1 - commandwindow
2 - clear
3 - clc
4 - close all
5 - A = [1 4 7; 2 5 8; 3 6 9]
6 - B = [10 13 16; 11 14 17; 12 15 18]
7 - X = [A; B]
8 - Y = [A, B]
9
```

Workspace

Name	Value
A	[1,4,7;2,5,8;3,6,9]
B	[10,13,16;11,14,17;12,15,18]
X	6x3 double
Y	3x6 double

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

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

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

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

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

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