

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

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

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

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

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

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

Matr
[Grid icon] >
[Vector icon] m
[Matrix icon] m x n

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C:\Users\BENNY\Documents\MATLAB

Current Folder

- onlinemathclass001.m
- onlinemathclass001.asv
- onlineassignmentmfile.m
- OJlI onlinemathclass001.m
- CATHERINEonlinemathclass.xlsx
- CATHERINEonlinemathclass.xls
- CATHERINE.xlsx
- CATHERINE.xls
- catherine002class.m
- catherine002.m
- catherine001.m
- catherine001.asv

CATHERINE.xlsx (Microsoft Excel Worksheet)

Workspace

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

```

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

Command Window

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

```

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
  
```