

IBIGOMIE GOODHEAD ISAAC
18/ENG06/024
MECHANICAL ENGINEERING

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

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

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

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

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

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

```
1 - commandwindow
2 - 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
9
10 - IBIGOMIE GOODHEAD ISAAC
11 - 18/ENG06/024
12 - Mechanical Engineering
```

Command Window

```
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
```

