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Assignment 4

1. Clear: To clear variables in work space
Clc: To clear variables in command window

2. commandwindow
clear
clc
A = [2 3 7 9 4;3 7 9 12 5;4 8 5 6 9;5 9 2 4 5;6 2 3 7 8]
Tobi = det(A)
Sola = transpose(A)
Charles = inv(A)

```
A =  2  3  7  9  4
      3  7  9 12  5
      4  8  5  6  9
      5  9  2  4  5
      6  2  3  7  8
```

```
Tobi = -765.0000
```

```
Sola =  2  3  4  5  6
        3  7  8  9  2
        7  9  5  2  3
        9 12  6  4  7
        4  5  9  5  8
```

```
Charles =  1.8915 -1.4026 -0.3124  0.7843 -0.2078
          -0.4379  0.3268  0.0523 -0.0392 -0.0196
          2.5725 -1.8392 -0.0863  0.7647 -0.5176
          -1.8876  1.4654  0.0105 -0.6078  0.3961
          -0.6222  0.3778  0.2444 -0.3333  0.1333
```

[1447/765, -1073/765, -239/765, 40/51, -53/255]

[-67/153, 50/153, 8/153, -2/51, -1/51]

[656/255, -469/255, -22/255, 13/17, -44/85]

[-1444/765, 1121/765, 8/765, -31/51, 101/255]

[-28/45, 17/45, 11/45, -1/3, 2/15]

3. commandwindow

```
clear
```

```
clc
```

```
A = [ 0 10 4 -2;-3 -17 1 2;1 1 1 0;8 -34 16 -10 ]
```

```
B = [-4;2;6;4]
```

```
X = inv(A)*B
```

```
A =  0  10  4  -2  
    -3 -17  1  2  
     1  1  1  0  
     8 -34 16 -10
```

```
B =  -4  
     2  
     6  
     4
```

```
X =  4.0000  
    -0.0000  
     2.0000  
     6.0000
```