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clc;
close all;
clear all;

% Matrix Operations Code
A = zeros(4, 4); % Initialize a 4x4 matrix with zeros

for i=1:4 % Loop through each row
    for j=1:4 % Loop through each column
        A(i,j)=randi([0,10]); % Assign a random integer between 0 and
        10 to each cell
    end
end

display(A); % Print the manually generated matrix
aa = randi([0,10],4,4); % get a 4x4 random matrix using a single
command
display(aa); % Print the vectorized matrix
```

A =

3	0	1	9
7	3	10	0
4	4	8	8
2	5	4	7

aa =

7	7	10	8
8	1	3	2
3	1	6	5
7	5	2	7

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