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| %% LAB 1 |
|  | %% BASICS |
|  | % NAME- Urvashi Pandey |
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|  | clc; |
|  | clear all; |
|  | close all; |
|  | B=magic(4) % command magic(n) creates nxn matrix from 1 to n^2 |
|  | a1=B(3,:) % shows all columns of 3rd row of B |
|  | % or a2=B(3,1:4) |
|  | a3=B(1:end,[1;2]) % all elements of column 1 and 2 |
|  | a4=B([1 4],[2 3]) % 2nd and 3rd column of 1st and 4th row |
|  | B(end,:)=-1 % changes all elements of last row to -1 |
|  | find(B>9) % find position of elements of matrix B which is less than 9 |
|  | %% plotting sine and cosine graph |
|  | t=0:0.1:10; |
|  | plot(t,sin(t),'b--'); |
|  | hold on; |
|  | plot(t,cos(t),'m\*-') |
|  | xlabel('time(sec)') |
|  | ylabel('Amplitude') |
|  | title('SINE COSINE') |