Various Operations on Matrices and various operations to get familiarize with matlab

```
>>a=[1 2 3;4 5 6;7 8 9]
>>b=[9 0 7;6 5 -4;3 2 1]
>>c=a+b
>>find(a)
>>det(a)
>>inv(c)
>>zeros(2,5)
>>b'
>>ones(3,4)
>>eye(3,2)
>>rand(1,10)
>>diag(a)
>>size(b)
>>sign(b)
>>log(a)
>>find(b)    %to find the index of non zero values%
>>find(eye(3,2))
>>eig(a)
>>length(a)
>>exp(a)
>>log10(45)
>>ceil(a)
>>floor(b)

>>a*inv(a)
>>rank(a)
>>sort(b)

>>b
>>max(b)
>>min(a)
>>mean(a)
>>std(a)

>>var(c)
>>sum(a)
>>a([1:2])
>>b(2,3)
>>a([1:3],[2:3])
>>sign(b)

>>sin(a)
>>sin(90)
>>sind(90)
>>asin(1)
>>asind(90)

>>a(:,3)
>>a(2:end,2:end)
>>a(2:3,2:3)
```

```
>>a([1:2],[1:2])
>>a(:,2:end)

>>a([1,3],[2,3])
>>a(end-1:end,end-1:end)

>>flip(a)
>>a([3,2,1],[1,2,3])

>>a([3,2,1],:)
```