%% main

[s\_max,s\_min,s\_avg]=calscore(N,score);

formatSpec = 'Max is %4.2f ; Min is %4.2f ; and Avg is %4.2f \n';

fprintf(formatSpec,s\_max,s\_min,s\_avg)

%%Matlab function

function [s\_max,s\_min,s\_avg]=calscore(N,score)

class\_num=length(score(1,:));

s\_max=zeros(1,class\_num);

s\_min=zeros(1,class\_num);

s\_avg=zeros(1,class\_num);

for i=1:class\_num

s\_max(i)=max(score(:,i));

s\_min(i)=min(score(:,i));

s\_sum=sum(score(:,i));

s\_avg(i)=s\_sum/N;

end

end

% Exercise 4.2 (a)

a=1;

x=0:0.5:5;

y=log(x+x.^2+a.^2)

% (b)

clc;clear

t=0:0.1:2;

y=(exp(3.\*t)+((t.^2).\*sin(4.\*t))).\*(cos(3.\*t).^2);

figure;plot(t,y)