clc;

close all;

clear all;

x = input('Enter the 1st sequence x[n] = ');

h = input('Enter the 2nd sequence h[n] = ');

N1 = length(x);

N2 = length(h);

N = max(N1,N2);

if(N1>N2)

h=[h,zeros(1,N1-N2)];

else

x=[x,zeros(1,N2-N1)];

end;

for n=1:N;

y(n)=0;

for i=1:N;j=n-i+1;

if(j<=0)

j=N+j;

end;

y(n)=y(n)+x(i)\*h(j);

end;

end;

disp('Circular convolved output y[n]=');

y

subplot(1,3,1);

stem(0:N-1,x);

xlabel('N--->');

ylabel('Amplitude--->');

title('1st input sequence x[n]');

subplot(1,3,2);

stem(0:N-1,h);

xlabel('N--->');

ylabel('Amplitude--->');

title('2nd input sequence h[n]');

subplot(1,3,3);

stem(0:N-1,y);

xlabel('N---->');

ylabel('Amplitude--->')

title('Circular convolved output y[n]');

