EXPT NO.2A : **CIRCULAR CONVOLUTION**

DATE : 01.08.2024

BATCH NO : 6

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clc

clear all

close all

x1=input('Enter the first sequence');

n1=length(x1);

x2=input('Enter the second sequence ');

n2=length(x2);

subplot(3,1,1);

stem(0: n1-1,x1,'b');

xlabel('n1');

ylabel('Amplitude');

title('Input x1');

subplot(3,1,2);

stem(0: n2-1,x2,'r');

xlabel('n2');

ylabel('Amplitude');

title('Input x2');

y=conv(x1,x2);

n3=length(y);

subplot(3,1,3);

stem(0: n3-1,y,'g');

xlabel('y');

ylabel('Amplitude');

title('Output y');