**AIM:-** TO PERFORM THE CONVOLUTION OF TWO SIGNALS WITH THE HELP OF THEIR FOURIER TRANSFORMS

clc;

clear;

t = -1:0.01:1;

u = (sign(t)+1)/2;

v = (sign(t)+1)/2;

c = conv(u,v);

subplot(2,1,1);

plot(c)

ff\_x =fft(u);

ff\_y =fft(v);

fft\_z=ff\_x .\* ff\_y;

subplot(2,1,2);

plot(ifft(fft\_z))

