**startr = input('Enter the start range of X : ');**

**starth = input('Enter the start range of H : ');**

**n1 = input('Enter number of samples X: ');**

**samples = [];**

**start=0;**

**for i = 1:n1**

**x = input('Enter the values ');**

**samples = [samples x];**

**end**

**n2 = input('Enter number of samples H : ');**

**hsamples = [];**

**for i = 1:n2**

**x = input('Enter the values ');**

**hsamples = [hsamples x];**

**end**

**len\_y=n1+n2-1;**

**sumt=0;**

**fin=[];**

**for i=1:len\_y**

**sumt=0;**

**for k=1:n1**

**st = i-k;**

**if st<start || st>=n2**

**st=0;**

**else**

**st=hsamples(((i-k)-start)+1);**

**end**

**y = samples(k).\* st;**

**sumt = sumt + y;**

**end**

**fin=[ fin sumt ];**

**end**

**x1 = startr:1:startr+n1-1;**

**subplot(1,3,1)**

**stem(x1,samples);**

**title('x(n)');**

**xlabel('N(u)');**

**ylabel('Amplitude');**

**x1 = starth:1:starth+n2-1;**

**subplot(1,3,2);**

**stem(x1,hsamples);**

**title('h(n)');**

**xlabel('N(u)');**

**ylabel('Amplitude');**

**x1 = startr:1:startr+len\_y-1;**

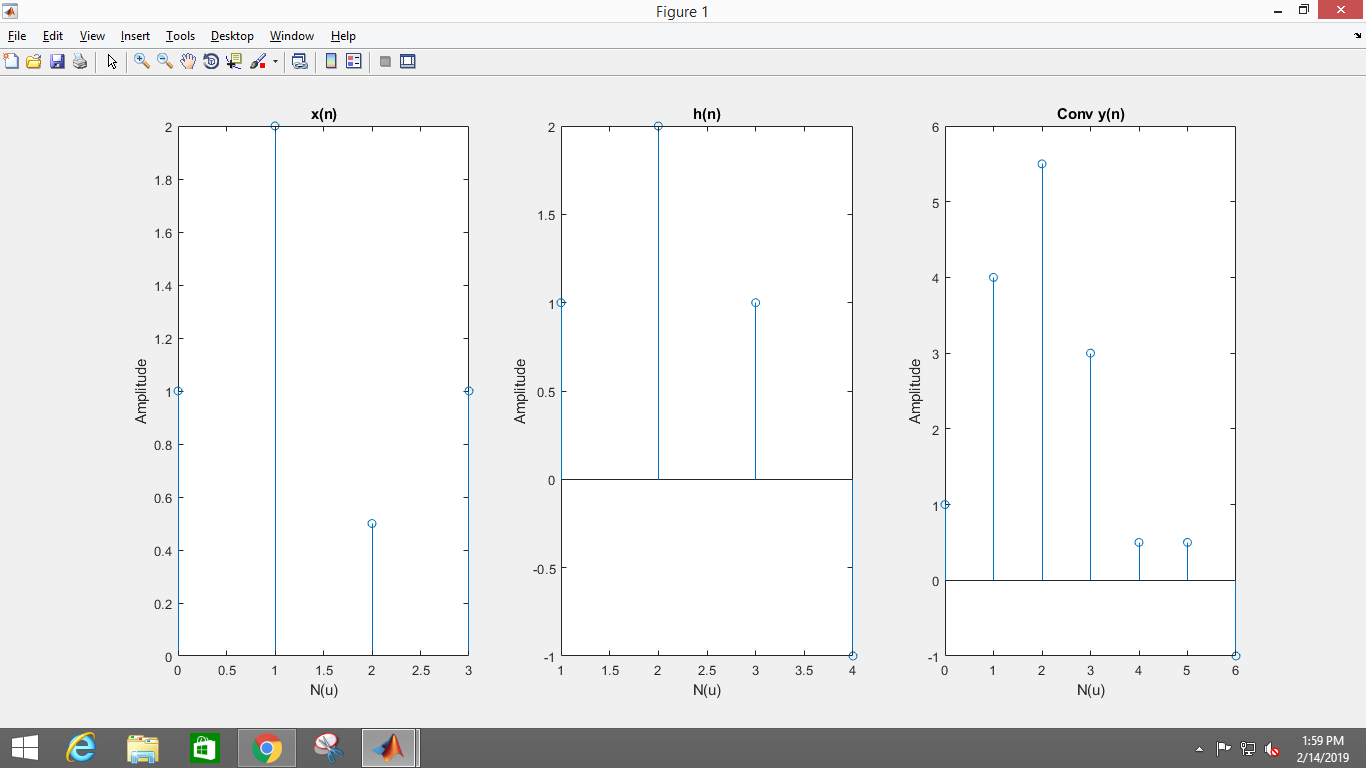
**subplot(1,3,3);**

**stem(x1,fin);**

**title('Conv y(n)');**

**xlabel('N(u)');**

**ylabel('Amplitude');**

****