

College Name: - Walchand College of Engineering, Sangli

Year: - Third Year

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PRN: - 2020BTEEN00058

Subject: - Digital Signal System Lab

Batch: - EN3

Code

```
clear all;  
x = [1 2 0 1];  
h = [2 2 1 1];  
  
x1 = fft(x);  
y1 = fft(h);  
  
a = x1.*y1;  
  
b = ifft(a);  
N = length(b);  
  
t=0:N-1;  
subplot(312);  
stem(t,b);  
  
disp(b)
```

Output

```
In stem (line 95)  
In Exp3 (line 15)  
    6    7    6    5  
  
>> Exp3  
    6    7    6    5  
  
>>
```

