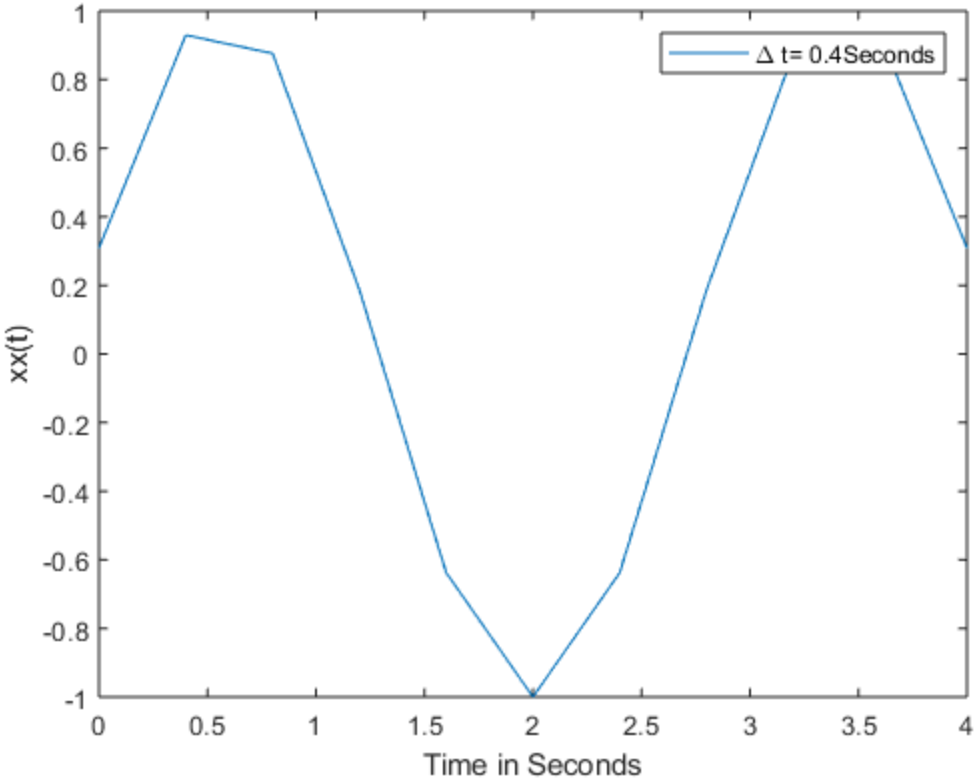
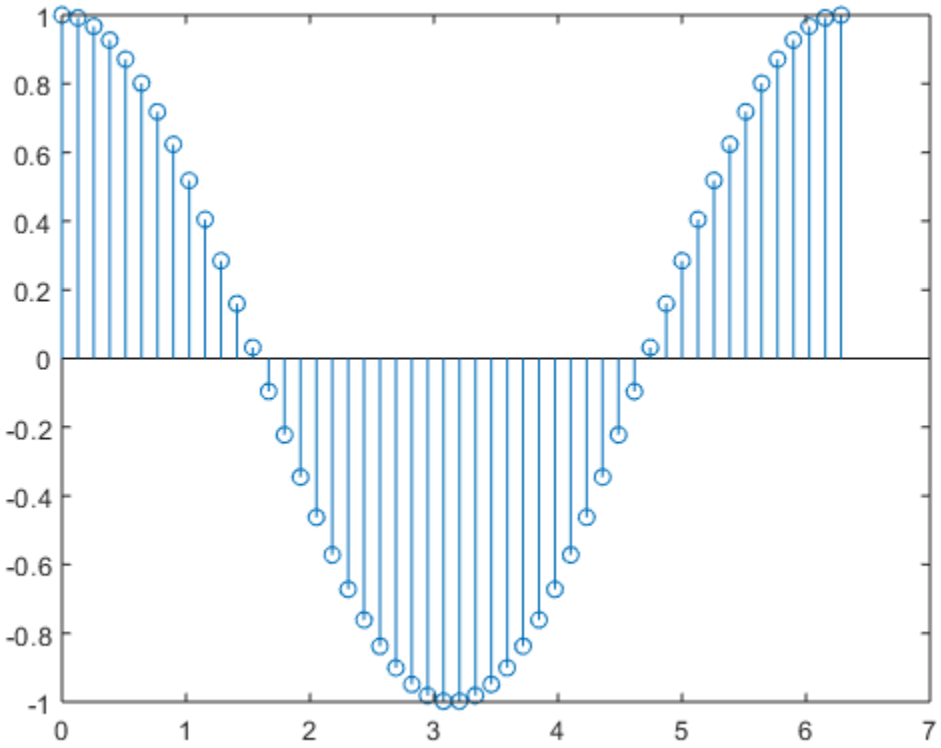
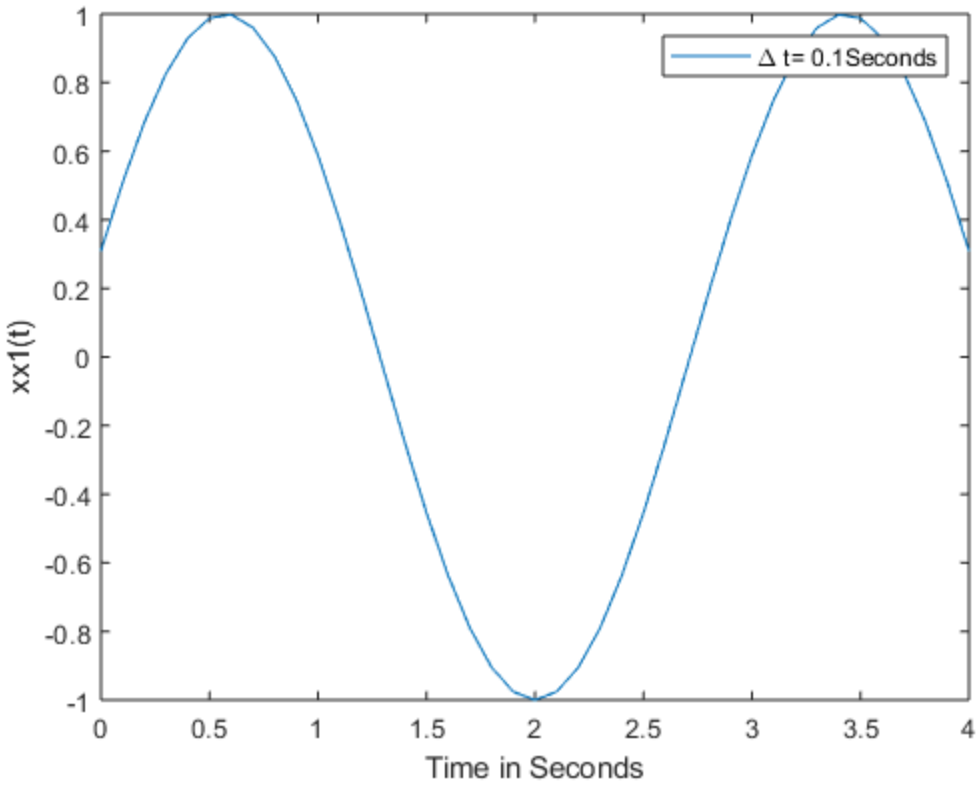
```
% Plot sine wave - Continuous, Stem, Continuous with better resolution
% DSP First Appendix B Figure B1
% Note: To get .pdf - Choose PUBLISH and change Output Format to pdf.
figure(1)
tt=0:0.4:4;
deltat=0.4
xx = sin(0.7*pi*tt +0.1*pi); % f= .35 Hz; T = 2.871 sec
plot(tt,xx)
xlabel('Time in Seconds')
ylabel('xx(t)')
legend(['\Delta t= ', num2str(deltat),'Seconds'])
figure(2)
X = linspace(0,2*pi,50)';
Y = cos(X);
stem(X,Y)
% Better Resolution
figure(3)
tt1=0:0.1:4;
deltat1=0.1;
xx1 = sin(0.7*pi*tt1 +0.1*pi);
plot(tt1,xx1)
xlabel('Time in Seconds')
ylabel('xx1(t)')
legend(['\Delta t= ', num2str(deltat1),'Seconds'])
```

```
deltat =

    0.4000
```


Δ t= 0.4Seconds
xx(t)
Time in Seconds
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
0.5
1
1.5
2
2.5
3
3.5
4


1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
1
2
3
4
5
6
7



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