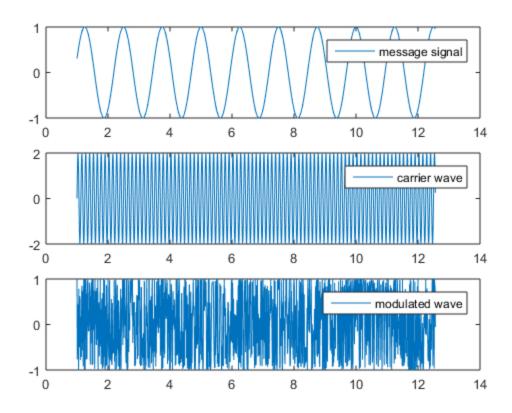```
clc
clear all
close all

% GENERATING_MODULATED_WAVE
% ID 2017KUCP1011
% Name Ashish Uniyal

t=1:0.01:4*pi;
m=cos(2*pi*0.8*t);
ca=2*sin(2*pi*8*t);
fi=cos(1.6*pi*t.*sin(2*pi*8*t));
subplot(3,1,1);
plot(t,m);
legend('message signal');
subplot(3,1,2);
plot(t,ca);
legend('carrier wave');
subplot(3,1,3);
plot(t,fi);
legend('modulated wave');
```



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