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```
clc
clear all
close all

%frequency modulation
%2017KUCP1017
%Tanuj Mehta
% File Name: tanuj_fmod.m
t=0:0.001:0.5;
m=cos(2.*pi.*10.*t);
subplot(3,1,1);
plot(m)

c=2.*sin(2.*pi.*20.*t);
subplot(3,1,2);
plot(c)

mc=cos(2.*pi.*c);
subplot(3,1,3);
plot(mc)
```

