# Class Work 1

clc;

clear all;

close all;

Fs=200;

n=0:1:50;

t=0:0.001:0.2;

y=sin(2\*pi\*(10/Fs)\*n)+sin(2\*pi\*(50/Fs)\*n)+sin(2\*pi\*(100/Fs)\*n);

figure;

xr=interp1(n/Fs,y,t,'spline');

figure;

stem(n,y,'O');

figure;

plot(t,xr,':.');

