clc;

clear all;

close all;

n = input('enter n value ');

x = rand(1,n);

subplot(2,4,1);

plot(x);

title('continuous random signal');

xlabel('amplitude and time');

ylabel('amplitude');

subplot(2,4,2);

stem(x);

title('discrete random signal');

xlabel('time');

ylabel('amplitude');

y = randn(1,10);

subplot(2,4,3);

plot(y);

title('continuous random signal ');

xlabel('time');

ylabel('amplitude');

subplot(2,4,4);

stem(y);

title('discrete random signal ');

xlabel('time');

ylabel('amplitude');

z = rand(10,1,1);

subplot(2,4,5);

plot(z);

title('continuous random sequence');

xlabel('time');

ylabel('amplitude');

subplot(2,4,6);

stem(z);

title('discrete random sequence');

xlabel('time');

ylabel('amplitude');

s = randperm(10);

subplot(2,4,7);

plot(s);

title('continuous time random sequence');

xlabel('time');

ylabel('amplitude');

subplot(2,4,8);

stem(s)

title('discrete time random sequence');

xlabel('time');

ylabel('amplitude');

enter n value 5

