Experiment – 2

Code :-

clc;

clf;

clear;

s = input("Enter the array :");

tolerance = 5;

x = 100000;

N = 100;

z = 0;

for i = 1 : length(s) - 1

if abs(s(i+1) - s(i)) < tolerance then

z = z+1;

end

end

if z ~= 0 then

disp("Convergent");

else

disp("Non Convergent");

end

converged = zeros(1, length(s)-1);

for x = 1 : length(s) - 1

converged(x) = s(x) + s(x+1);

end

subplot(2,1,1)

plot2d3(1 : length(s), s)

subplot(2,1,2)

plot2d3(1 : length(s)-1, converged)