**MATLAB CODE:**

f = @(x) tanh(x/2)-1;

a= 1;

b=2;

n=11;

t=0.00001;

if f(a)\*f(b)<0

for i=1:n

c=a+b/2;

fprintf ( 'P%d=%.4f\n', i,c)

if abs(c-b)<t || abs(c-a)<t

break;

end

end

if f(a)\*f(c)<0

b=c;

end

if f(b)\*f(c)<0;

a=c;

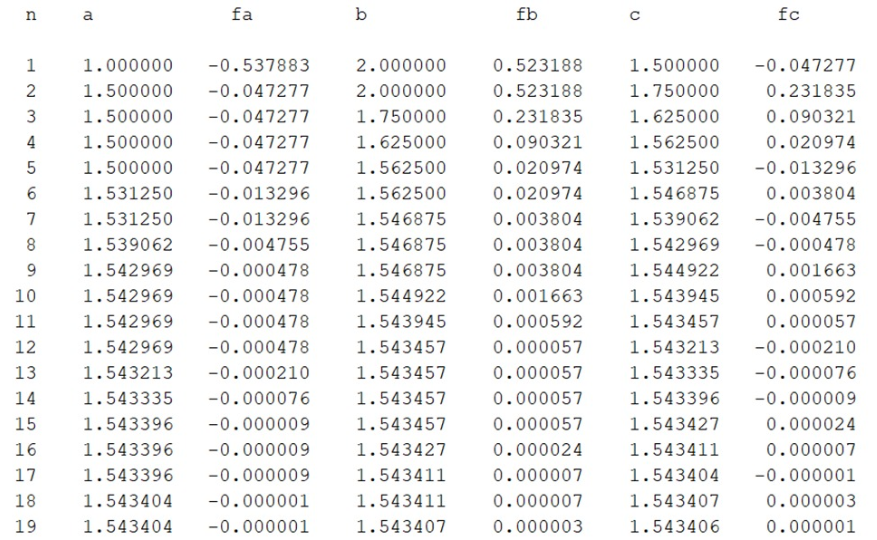
end

else

disp ('No zero of equation present')

end

**Output:**

****