NAME:SHAILJA KANT TIWARI ROLL NO. 81

clc

clear

clf

n=20

A=eye(n+1,n+1)

B=zeros(n+1,1)

B(n+1,1)=1

h=5/n

for i=1:n-1

A(i+1,i)=1

A(i+1,i+1)=(h^2 - 2\*h - 2)

A(i+1,i+2)=(1+2\*h)

end

Y=A\B

x=linspace(0,5,n+1)

plot2d(x,Y,2)

