Define problem & set up the mesh
Set up IEN array
ID array
Stiffness matrix
Stiffness matrix
zero element element Load vector
stiffness matrix
$lackbox{}^{ullet}$
11 - map the -
J Map the XA ← Sa Use Gauss quadrature
use Gouss quadrature
element stiffness matrix Kab element Load vector fa
put then into F
Solve Kd=Fequation

1.

visualization

set up sample point

calculate the real solution and numerical solution value at sampling pts.

plot the Comparison chart