Forward Euler Method Plots:
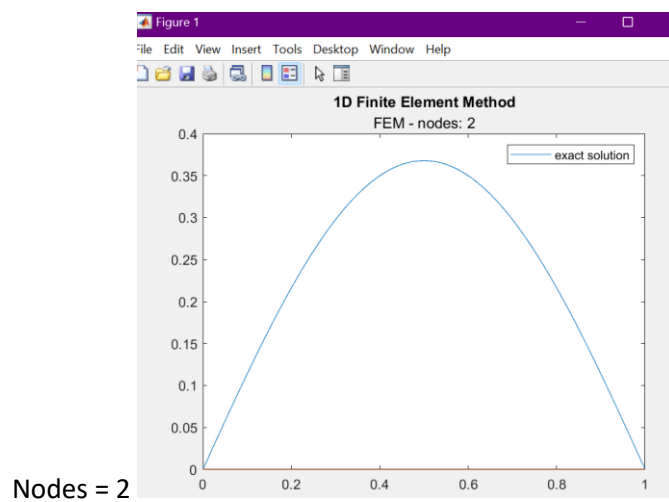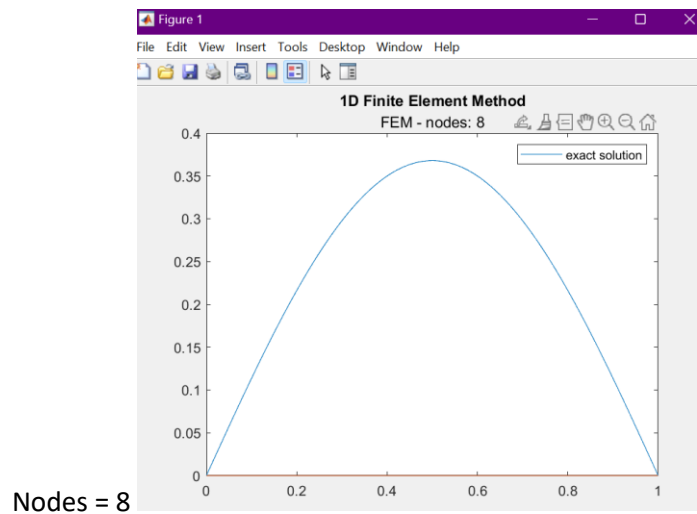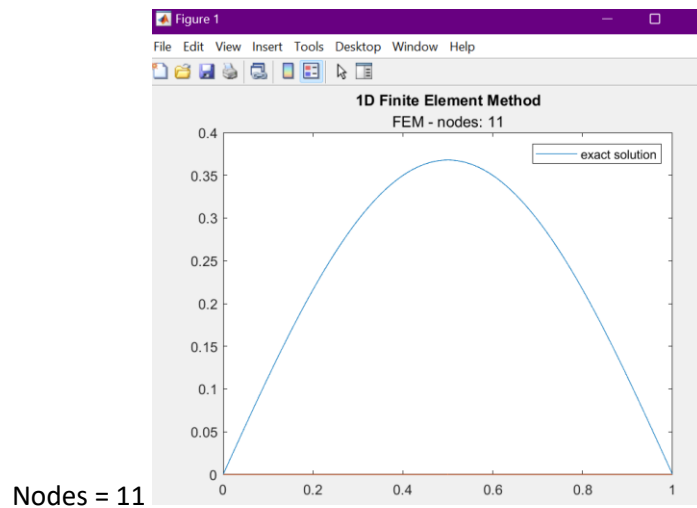
Please note that the approximated solution is the red line on the x-axis.

Nodes = 11

Nodes = 8

Nodes = 2

Backward Euler Plots

N = 11

N = 8

N = 2