FEM Code Project Report

1. Report the errors and convergence rates measured in L2 and H1 norms (refer to Homework 5)

Change the hh value from 1/10 to 1/100, the results as follows:

L2error will shrink by a factor of 100, while H1error by a factor of 10.

Plot the figure as follows:

2. Determine the value of in Matlab and verify this stability condition by your code.