**COURSE CODE: ENG 281**

**NAME: FAMUAGUN GBENGA COLLINS**

**LEVEL: 200 LEVEL**

**COLLEGE: ENGINEERING**

**DEPARTMENT: MECHANICAL DEPARTMENT**

**MATRIC NUMBER:17/ENG06/035**

commandwindow

clear

clc

a=[1,-2,-1,3;2,3,0,1;1,0,-4,-2;0,-1,3,1]

eig(a)

a =

 1 -2 -1 3

 2 3 0 1

 1 0 -4 -2

 0 -1 3 1

ans =

 2.4323 + 2.2437i

 2.4323 - 2.2437i

 -1.9323 + 1.7651i

 -1.9323 - 1.7651i

Therefore it is unstable