Write a program that does the following:

1. Ask the user to enter the number of variables on a Linear- System
2. Ask the user to enter matrix elements
3. Ask the user enter vector elements
4. Ask the user to enter initial approximation for the solution
5. Solve the linear-system using Jacobi iteration and show the results and number of iterations needed
6. Solve the linear-system using Gauss-Seidel iteration and show the results and number of iterations needed
7. Show which of the two methods is better