**Solution of System of Linear Algebraic Equation**

1. **WAP to check consistency of System of Linear Algebraic Equation.**
2. **WAP to find Solution of System of Linear Algebraic Equation with Gauss Elimination Method.**
3. **WAP to find Solution of System of Linear Algebraic Equation with Gauss Elimination with Partial Pivoting Method.**
4. **WAP to find Solution of System of Linear Algebraic Equation with Gauss Elimination with Complete Pivoting Method.**
5. **WAP to find Solution of System of Linear Algebraic Equation with Gauss Jordan Method.**
6. **WAP to find Solution of System of Linear Algebraic Equation with Doolittle Method (LU Factorization/Triangular Method).**
7. **WAP to find Solution of System of Linear Algebraic Equation with Crout’s Method (LU Factorization/Triangular Method).**
8. **WAP to find Solution of System of Linear Algebraic Equation with Cramer’s Rule Method.**
9. **WAP to find Solution of System of Linear Algebraic Equation with Cholesky Method.**
10. **WAP to find Solution of System of Linear Algebraic Equation with Matrix Inverse with Gauss Jordan Method.**
11. **WAP to find Solution of System of Linear Algebraic Equation with Matrix Inverse with Gauss Elimination Method.**
12. **WAP to find Solution of System of Linear Algebraic Equation with Matrix Inverse with Factorization Method.**
13. **WAP to find Solution of System of Linear Algebraic Equation with Jacobi’s Inverse Method.**
14. **WAP to find Solution of System of Linear Algebraic Equation with Gauss Seidel Method.**
15. **WAP to find Eigen Values by Power Method.**
16. **WAP to check well condition and ill condition for System of Linear Algebraic Equation.**
17. **WAP to Improve Accuracy of Ill conditioned System using Iterative Method.**

**NOTE: Assume 3\*3 matrix.**