

Practice Question List: Linear Algebra

Book: Linear Algebra & its Applications (4th Edition) by David C Lay

FAST School of Computing

| Chapter # | Topics | Related Questions |
|-----------|---|---|
| 1 | Introduction to Linear Algebra? Why it is important to study linear algebra for CS students? System of Linear Equations. Solution of Linear Equation. Consistent & Inconsistent Systems. Coefficient Matrix & Augmented Matrix. | Exercise 1.1 Question # 1-25, 29- 32 |
| 1 | Elementary Row Operations, Echelon Form (Gauss Elimination Method), Reduced Echelon form (Gauss Jordan Method) | Exercise 1.2 Question # 1-20 |
| 1 | Vector Equation | Exercise 1.3 Question # 1-23, 25-26 |
| 1 | Matrix Equation | Exercise 1.4 Question # 1-27 |