**Inverse Matrix**

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| --- | --- |
| **01** | Find the inverse of |
|  | Solution :  We can write *A = AI*  Or =  Now we take the Right hand side    Interchanging the first and third rows to bring the maximum element 3 at the place *a11*    Divide the first row by 3 to row 1    **Now apply**    **Now apply**    **Now apply**    **Now apply**    Now apply |
|  |  |





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| --- | --- |
| **02** | Find the inverse of |
| **03** | Find the inverse of |
| **04** | Find the eigenvalues and eigenvectors of the matrix |
| **05** | Solve the following equation by the Jacobi-iteration method  for the first iteration x,y and z all are 0 respectively |