Algorithm: Gauss Jordan Method

• Read number of equations say n // Read equation • For i = 0 to (n-1)in steps of 1 do \circ For j = 0 to n in steps of 1 do ■ Read a[i][j] End for End for // formation of diagonal matrix • For k = 0 to (n-1)in steps of 1 do \circ For i = 0 to (n-1)in steps of 1 do $u = \frac{a[i][k]}{a[k][k]}$ • If $(i \neq k)$ then • For j = k to n in steps of 1 do a[i][j] = a[i][j] - (a[k][j] * u)End for End if End for End for // Calculate values • For i = 0 to (n-1) in steps of 1 do $\circ X[i] = \frac{a[i][n]}{a[i][i]}$ End for **END**