**CHAPTER 3**

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| **Objective :** | See the structure of a matrix: Createa20×20matrixwiththecommand A = ones(20). Now replace the 10×10 submatrix between rows 6:15 and columns 6:15 with zeros. See the structure of the matrix (in terms of nonzero entries with the command spy(A). Set the 5×5 submatrices in the top right corner and bottom left corner to zeros and see the structure again. |
| **MATLAB**  **Code:** | A = ones(20)  A(6:15,6:15) = 0;  spy(A)  A(1:5,16:20) = 0;  A(16:20,1:5) = 0;  spy(A) |
| **Output:** |  |