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Matlab can easily provide you with all elements of a matrix that meet a specified condition. In this example, the result of $A > 10$ is a matrix, consisting of zeroes and ones, indicating which elements are greater than 10. The elements that meet the condition are identified by ones and those that do not meet the condition are identified by zeroes.

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Scientific Computing with MATLAB and Octave Fourth Edition 123. Alfio Quarteroni MATHICSE-CMCS Ecole Polytechnique Fédérale de Lausanne Lausanne Switzerland Paola Gervasio DICATAM Università degli Studi di

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Brescia` Brescia Italy Fausto Saleri
(1965-2007) MOX - Politecnico di Milano
Milano

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zeros(3) zeros(3,4) diag([1 4 6 10]) You
can use built in matrices and ranges to
build up a bigger matrix by separating
columns by a space and rows by a
semicolon: A = [zeros(3) ones(3)] A =
[magic(3); ones(3)] A = [zeros(3) ones(3);
magic(3) [1:3; 2:4; 3:5]] 2.6.5 Matrix
operations.

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Scientific Computing with MATLAB and Octave. Alfio Quarteroni, Fausto Saleri, Paola Gervasio. Springer Berlin Heidelberg, Jun 29, 2010 - Mathematics - 366 pages.

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Author: Alfio Quarteroni, Fausto Saleri
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