
sepmatrix

syntax: `sepmatrix matrix name1 name2 ...`

purpose: Takes each column of a matrix, and assigns it to a separate variable of the indicated name. This is useful when importing external data into MATLAB.

example: `data = [1 10 100;
2 20 200;
3 30 300;
4 40 400;]`

To divide this matrix into three variables, one for each column, named `ones`, `tens`, `hundreds`:

```
>> sepmatrix data ones tens hundreds
```

Note that no parentheses are used.

If you re-use an existing variable, the data formerly in that variable will be lost.

for MATLAB experts:: You can carry out the same operation using the ordinary indexing operations, for example

```
>> ones = data(:,1);
```

This document is an excerpt from

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