
MATLAB programming course for beginners, supported by Wagatsuma Lab@Kyutech

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Specifications and requirements

1. @Time : 2022-8-10
2. @Author : Hiroaki Wagatsuma
3. @Site : https://github.com/hirowgit/1A1_matlab_intermediate_course
4. @IDE : MATLAB R2022a
5. @File : lec3_step1.m

Main program

```
NofD=10;  
rD1=randi(NofD,[NofD 1]);  
rD2=randi([2 NofD],[NofD 1]);  
rD=rD2+rD1;  
cell_rD=num2cell(rD);  
cell_rD1=num2cell(rD1);  
mixAry=cellfun(@(x,y) (x:y),cell_rD1,cell_rD,'UniformOutput',false);
```

```
edgAry=cellfun(@(x) x([1 end]),mixAry,'UniformOutput',false);  
edgM=cell2mat(edgAry);
```

```
disp(mixAry);  
disp(edgAry);  
disp(edgM);
```

```
{[      6 7 8 9 10 11 12 13]}  
{[      6 7 8 9 10 11 12 13 14 15]}  
{[10 11 12 13 14 15 16 17 18 19]}  
{[      3 4 5 6]}  
{[      6 7 8 9 10 11 12 13 14 15]}  
{[      6 7 8]}  
{[      5 6 7 8 9]}  
{[ 8 9 10 11 12 13 14 15 16 17]}  
{[ 6 7 8 9 10 11 12 13 14 15 16]}  
{[      10 11 12 13 14 15 16 17]}
```

```
{[ 6 13]}  
{[ 6 15]}  
{[10 19]}  
{[ 3 6]}  
{[ 6 15]}  
{[ 6 8]}  
{[ 5 9]}  
{[ 8 17]}  
{[ 6 16]}  
{[10 17]}
```

```
6      13  
6      15  
10     19  
3       6  
6      15  
6       8  
5       9  
8      17  
6      16  
10     17
```

Supplementary information to publish

If you want to make a pdf or html file on the code, you can use the code "x_publish_each_codes.m" in the same folder. Please change the file name as " this_file_tag='lec*_step*' " (* will be replaced to the number of the target file).

The code "x_publish_all_codes.m" works for such a publication applying to all codes in the same folder (Note: "x_publish_all_codes_sub.m" should be located in the same folder).

Published with MATLAB® R2022a