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# 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](https://github.com/hirowgit/1A1_matlab_intermediate_course)
4. @IDE : MATLAB R2022a
5. @File : lec1\_step2.m

## Main program

```
NofD=10;  
rdat=rand(1,NofD);  
  
rdat_s=floor(rdat*NofD)+1;  
rdat_s  
  
inData=10*(1:NofD);
```

```
inData(1)
inData([1])
inData([1,2,5])
inData(rdat_s)

inData=10*(1:NofD);

inData(1)+inData(2)
inData([1])+inData([2])

inData([1,2])+inData([2,3])
inData(1)+inData([2,3])
inData([1])+inData([2,3])
inData([1])*inData([2,3])

inData=1:NofD;
inData(3:end)
inData(end)
inData(3:end-1)
inData(end-3:end-1)

rdat_s =

     6     9     2     5     4     7    10     1     4     4

ans =

    10

ans =

    10

ans =

    10    20    50

ans =

    60    90    20    50    40    70   100    10    40    40

ans =

    30

ans =
```

30

*ans* =

30     50

*ans* =

30     40

*ans* =

30     40

*ans* =

200    300

*ans* =

3     4     5     6     7     8     9     10

*ans* =

10

*ans* =

3     4     5     6     7     8     9

*ans* =

7     8     9

## 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*