
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 : lec1_step3.m

Main program

```
% a generator of the natural number sequence randomly aligned

tic
NofD=10;
flag=true(1,NofD+1);

DataLine=[];
```

```
tmp=floor(rand(1,1)*NofD)+1;

while length(DataLine)<NofD
    if flag(tmp)
        DataLine(end+1)=tmp;
        flag(tmp)=false;
    end
    tmp=floor(rand(1,1)*NofD)+1;
end

disp(DataLine');

1
2
7
5
8
9
4
6
3
10
```

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).

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