2021150456 통계학과 이예지

>> 1+3

ans =

 4

>> 13-4

ans =

 9

>> 12\*3

ans =

 36

>> 36/3

ans =

 12

>> x = [1 2 3 4 5]; y = [5 4 3 2 1];

>> x < y

ans =

 1×5 logical 배열

 1 1 0 0 0

>> x <= y

ans =

 1×5 logical 배열

 1 1 1 0 0

>> x == y

ans =

 1×5 logical 배열

 0 0 1 0 0

>> x >= y

ans =

 1×5 logical 배열

 0 0 1 1 1

>> x > y

ans =

 1×5 logical 배열

 0 0 0 1 1

>> for x=0:2:10

a=2^x

end

a =

 1

a =

 4

a =

 16

a =

 64

a =

 256

a =

 1024

>> a=3;

>> if a<1

b=a+1

else

c=a+2

end

c =

 5

>> a=1;

>> while a<4

a=a+1

end

a =

 2

a =

 3

a =

 4

>> a=1; b=2, c=3;

b =

 2

>> plot(x,y,'--rs','LineWidth',2,'MarkerEdgeColor','k', ...

'MarkerSize',10)



>> f = inline('x^3+6\*x-2','x');

>> f(3)

ans =

 43

>> f = inline('x.^3+6\*x-2','x');

>> f([3 4 5])

ans =

 43 86 153

>> x = linspace(0,5,6)

x =

 0 1 2 3 4 5

>> plot(x,sin(x),'k--',x,cos(x),'ko')



>> t=linspace(0,2\*pi,100); x=2\*cos(t); y=2\*sin(t);

>> plot(x,y)



>> t=linspace(0,2\*pi,100); x=2\*cos(t); y=2\*sin(t);

>> plot(x,y); axis square;



>> t=linspace(0,2\*pi,100); x=2\*cos(t); y=2\*sin(t);

>> plot(x,y); axis equal



>> t=linspace(0,2\*pi,100); x=2\*cos(t); y=2\*sin(t);

>> plot(x,y); axis image;



>> ones(3)

ans =

 1 1 1

 1 1 1

 1 1 1

>> zeros(2)

ans =

 0 0

 0 0

>> C=[1 2 3]; length(C)

ans =

 3

>> A=[1 2 3; 4 5 6; 7 8 9];

>> sum(A)

ans =

 12 15 18

>> abs(-3)

ans =

 3

>> fp = fopen('test.m','w'); %test.m란 파일을 쓰기용으로 생성

>> fprintf(fp, '%d %d\n', 1, 2); %파일에 1 2 쓰기

>> fprintf(fp, '%f %f\n', 3.5, 4.5); %파일에 3.5 4.5 쓰기

>> fprintf(fp, '%e %e\n', 100, 1000); %파일에 100 1000 쓰기

>> fclose(fp); %파일 close



>> a = load('test.m');

>> a = 1.0e+003 \*

 a = 1.0e+003 \*

 ↑

오류: 유효하지 않은 표현식입니다. 누락되거나 불필요한 문자가 있는지 확인하십시오.

>> Random\_matrix = rand(2,3)

Random\_matrix =

 0.8147 0.1270 0.6324

 0.9058 0.9134 0.0975

>> rand('seed',3)

>> rand(2,3)

ans =

 0.5387 0.0512 0.3010

 0.3815 0.2851 0.1277