

```
>> 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

>> 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 파일 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.

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

a =

```

```
1.0e+03 *  
  
    0.0010    0.0020  
    0.0035    0.0045  
    0.1000    1.0000  
  
>> 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  
  
>>
```