

경고: 마지막 작업 폴더 기본 설정을 사용하여 선택된 "C:\Users\younghoon\Desktop" 대신 "C:\Users\younghoon\Documents\MATLAB"을(를) 초기 작업 폴더로 사용합니다.

```
>> 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
```

```
0 0 1 0 0
```

```
>> x <= y
```

'x'은(는) 인식할 수 없는 함수 또는 변수입니다.

```
>> x <= y
```

```
ans =
```

```
1×5 logical 배열
```

```
1 1 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
```

```
b =
```

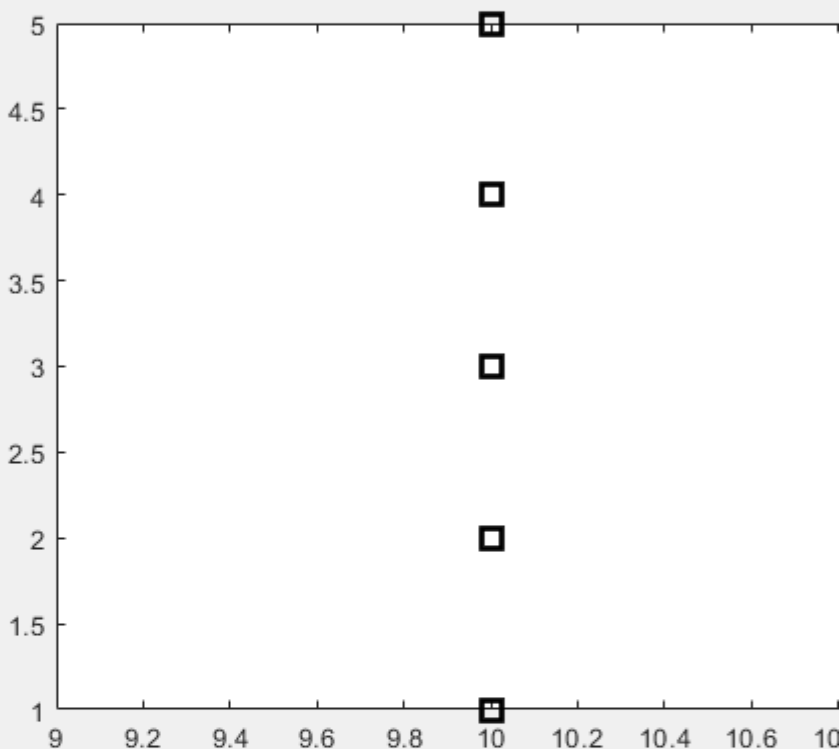
```
    2
```

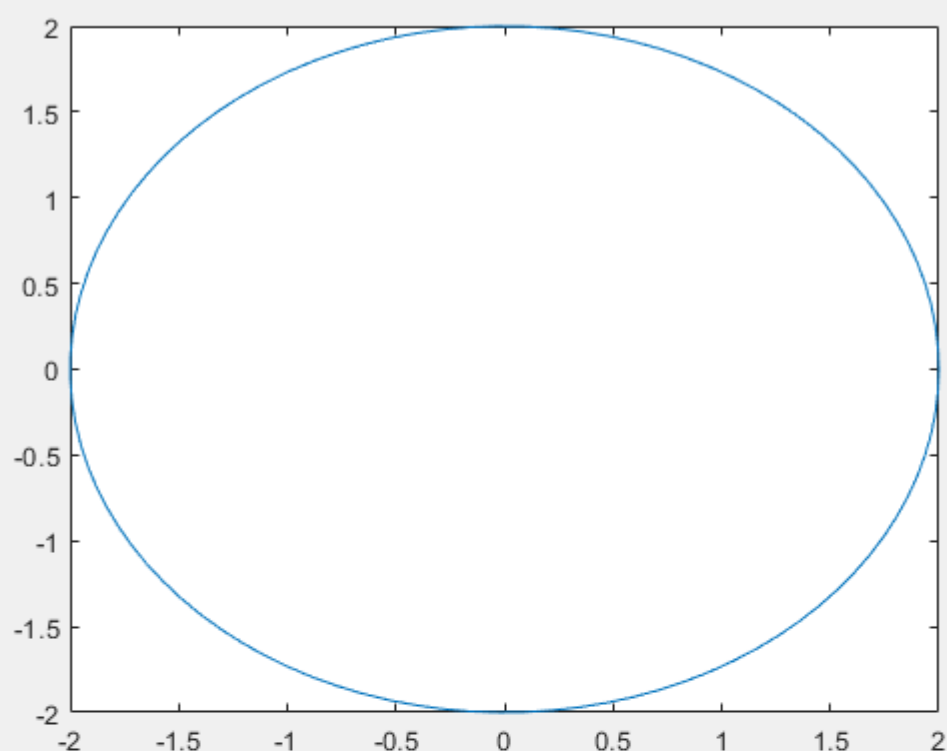
```
>> plot(x, y, '--rs', 'LineWidth', 2, 'MarkerEdgeColor', 'k',...  
        'MarkerSize', 10)
```

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

Figure 1

파일(F) 편집(E) 보기(V) 삽입(I) 툴(T) 데스크탑(D) 창(W)





```
>> 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)

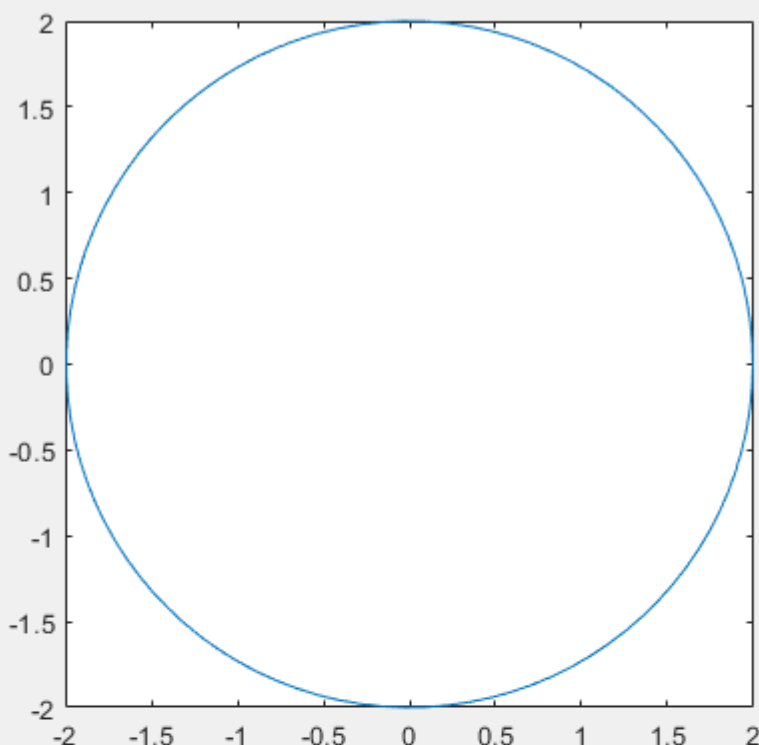
x =

    0    1    2    3    4    5

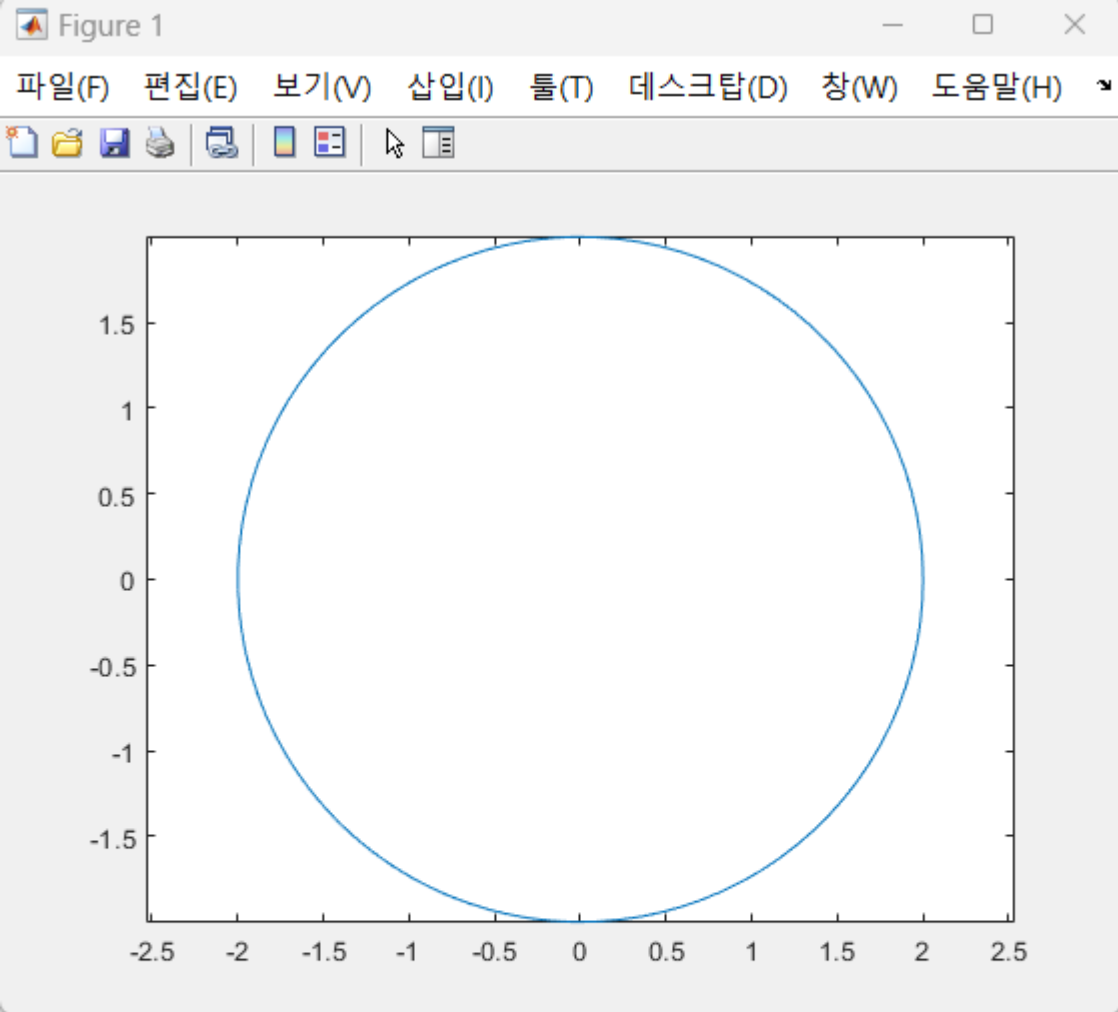
>> t = linspace(0, 2*pi, 100); x = 2*cos(t); y = 2*sin(t);
>> plot(x, y)
>> plot(x, y); axis square;
>> plot(x, y)
>>
```

Figure 1

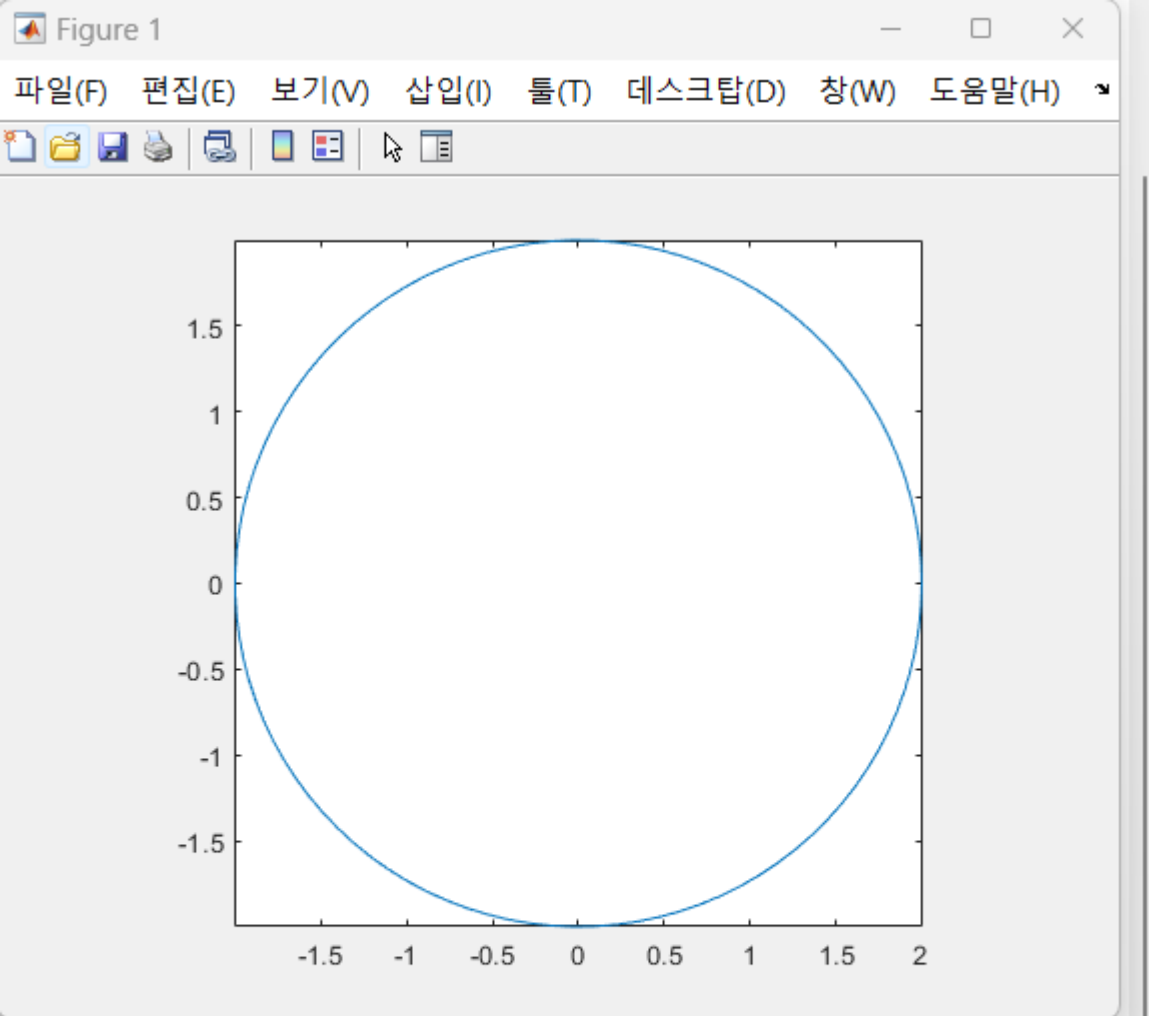
파일(F) 편집(E) 보기(V) 삽입(I) 툴(T) 데스크탑(D) 창(W) 도움말(H)



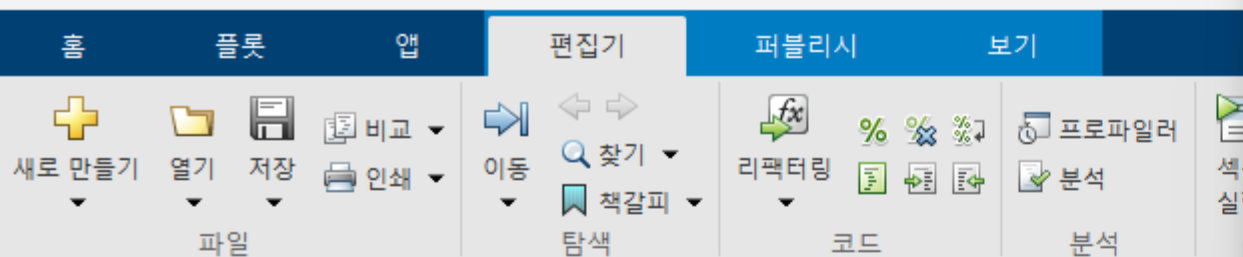
```
>> plot(x, y, '--rs', 'LineWidth', 2, 'MarkerEdgeColor', 'k',...  
'MarkerSize', 10)  
>> f = inline('x^3 + 6*x -2', 'x');  
>> f(3)  
  
ans =  
  
    43  
  
>> f = inline('x.^3 + 6*x -2', 'x');  
>> f([3 4 5])  
  
ans =  
  
    43    86   153  
  
>> x = linspace(0, 5, 6)  
  
x =  
  
    0    1    2    3    4    5  
  
>> t = linspace(0, 2*pi, 100); x = 2*cos(t); y = 2*sin(t);  
>> plot(x, y)  
>> plot(x, y); axis square;  
>> plot(x, y)  
>> plot(x, y); axis square;  
>>
```



```
>> t = linspace(0, 2*pi, 100); x = 2*cos(t); y = 2*sin(t);  
>> plot(x, y)  
>> plot(x, y); axis square;  
>> plot(x, y)  
>> plot(x, y); axis square;  
>> plot(x, y); axis equal;  
>>
```



```
>> t = linspace(0, 2*pi, 100); x = 2*cos(t); y = 2*sin(t);  
>> plot(x, y)  
>> plot(x, y); axis square;  
>> plot(x, y)  
>> plot(x, y); axis square;  
>> plot(x, y); axis equal;  
>> plot(x, y); axis image;  
>>
```



C:\Users\younghoon\Documents\MATLAB

현재 폴더

이름

test.m

test.m

1 2

2 3.500000 4.500000

3 1.000000e+02 1.000000e+03

4

작업 공간

이름 ▲ 값

a [1,2;3.5000,4.500...

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

ans [0.5387,0.0512,0....

b 2

c 3

C [1,2,3]

f 1x1 inline

fp 3

Random_matrix [0.8147,0.1270,0....

t 1x100 double

test.m (MATLAB 코드 파일)

Zoom: 100%

UTF-8

>> 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');

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

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

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

>> fclose(fp);

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

>> 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
```

fx >>