```
>>
>> %array : adalah tipe data khusus yang ada pada matlab
>> a = {'fai';
'Usia 70';
'Universitas Kristen Satya Qacana';
'Kota Salatiga';}

a =

    'fai'
    'Usia 70'
    'Universitas Kristen Satya Qacana'
    'Kota Salatiga'

>> a(2)

ans =

    'Usia 70'

>> b = {'fai'
'Usia 70'
'Universitas Kristen Satya Qacana'
'Kota Salatiga';}

b =

    'fai'
    'Usia 70'
    'Universitas Kristen Satya Qacana'
    'Kota Salatiga'

>>  b = {'fai' 'Usia 70' 'Universitas Kristen Satya Qacana' 'Kota Salatiga';}

b =

    'fai'    'Usia 70'    [1x32 char]    'Kota Salatiga'

>>  c = {'fai' 'Usia 70' 'Universitas Kristen Satya Qacana' 'Kota Salatiga'}

c =

    'fai'    'Usia 70'    [1x32 char]    'Kota Salatiga'

>> D = [1 2 3 4 5 ]

D =

     1     2     3     4     5

>> E = [1 2 3 4 5;
```

```
2 3 4 5 1;
3 4 5 1 2;]

E =

     1     2     3     4     5
     2     3     4     5     1
     3     4     5     1     2

>> F = [1 0 2; 2 1 1; 3 1 8]

F =

     1     0     2
     2     1     1
     3     1     8

>> f (2 : 2)
Undefined function 'f' for input arguments of type 'double'.

Did you mean:
>> F (2 : 2)

ans =

     2

>> F (,:,:2)
 F (,:,:2)
    |
Error: Expression or statement is incorrect--possibly unbalanced (, {, or [.

>> F (2,:,1)

ans =

     2     1     1

>> F (1,3,:)

ans =

     2

>> F (:,:,:)

ans =

     1     0     2
     2     1     1
     3     1     8
```

```
>> F (:,1,:)

ans =

     1
     2
     3

>> F (2,:,3)
Index exceeds matrix dimensions.

>> F (2,:,1)

ans =

     2     1     1

>> F (2,:,0)
Subscript indices must either be real positive integers or logicals.

>> F (2,:,)
 F (2,:,)
        |
Error: Unbalanced or unexpected parenthesis or bracket.

>> F (2,:,:)

ans =

     2     1     1

>> D

D =

     1     2     3     4     5

>> length(D)

ans =

     5

>> c1 = [2 3 4 5 1]

c1 =

     2     3     4     5     1

>> D + c1
```

```
ans =

     3     5     7     9     6

>> D / c1

ans =

    0.8182

>> D * c1
Error using  *
Inner matrix dimensions must agree.

>> D.c1
Attempt to reference field of non-structure array.

>> D.*c1

ans =

     2     6    12    20     5

>> c1'

ans =

     2
     3
     4
     5
     1

>> D*c1'

ans =

    45

>> D == c1

ans =

     0     0     0     0     0

>> D /= c1
Error: "D" was previously used as a variable,
conflicting with its use here as the name of a
function or command.
See "How MATLAB Recognizes Command Syntax" in the
```

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MATLAB documentation for details.

>> D =/ c1
 D =/ c1
    |
Error: Unexpected MATLAB operator.

>> D > c1

ans =

     0     0     0     0     1

>> D < c1

ans =

     1     1     1     1     0

>> D >= c1

ans =

     0     0     0     0     1

>> D <= c1

ans =

     1     1     1     1     0

>> D = 1 : 5;
>> D

D =

     1     2     3     4     5

>> D & c1

ans =

     1     1     1     1     1

>> D | c1

ans =

     1     1     1     1     1

>> D^3
```

```
Error using  ^
Inputs must be a scalar and a square matrix.
To compute elementwise POWER, use POWER (.^)
instead.

>> m1 = [1 2]

m1 =

     1     2

>> m1 = [3 4; 1 2]

m1 =

     3     4
     1     2

>> m2 = [2 3 ;1 5]

m2 =

     2     3
     1     5

>> m1 + m2

ans =

     5     7
     2     7

>> m1*2

ans =

     6     8
     2     4

>> m1'

ans =

     3     1
     4     2

>> adjoint (m1)
Undefined function 'adjoint' for input arguments of
type 'double'.

>> adjoint (m2)
```

```
Undefined function 'adjoint' for input arguments of
type 'double'.

>> adjoint(m1)
Undefined function 'adjoint' for input arguments of
type 'double'.

>> m3 = double (m1)

m3 =

     3     4
     1     2

>> adjoint(m3)
Undefined function 'adjoint' for input arguments of type 'double'.

>> inv (m1)

ans =

    1.0000   -2.0000
   -0.5000    1.5000

>> det (m1)

ans =

     2

>> [1 / det (m1)] * inv (m1)
Error using det
Not enough input arguments.

>> (1 / det (m1)) * inv (m1)

ans =

    0.5000   -1.0000
   -0.2500    0.7500

>>
```