```
>> %Array: tipe data khusus yang ada pada matlab
>> %Apa yg akan dimasukkan ke variabel harus ada struktur data
>> %{(:string
>> a = {'fadhiil';
'usia 20';
'alamat di pancasila';
'pekerjaan ngelas ngelus'}

a =

    'fadhiil'
    'usia 20'
    'alamat di pancasila'
    'pekerjaan ngelas ngelus'

>> a(2)

ans =

    'usia 20'

>>
>> %[: tipikal data nya numbers
>> b = {'fadhiil' 'mahasiswa'}

b =

    'fadhiil'    'mahasiswa'

>> c = [1 2 3 4 5]

c =

     1     2     3     4     5

>> d = [1 2 3 4 5;
2 3 4 5 1;
3
d = [1 2 3 4 5;
 d = [1 2 3 4 5;
   |
Error: The expression to the left of the equals sign is not a valid
target for an assignment.

>> d = [1 2 3 4 5;
2 3 4 5;
3 4 5 6 1]
Error using vertcat
Dimensions of matrices being concatenated are not consistent.

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

```
2 3 4 5 1;
3 4 5 6 2]

d =

     1     2     3     4     5
     2     3     4     5     1
     3     4     5     6     2

>> e [1 0 2; 2 1 1; 3 1 8]
 e [1 0 2; 2 1 1; 3 1 8]
             |
Error: Unexpected MATLAB expression.

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

e =

     1     0     2
     2     1     1
     3     1     8

>> e(2:2)

ans =

     2

>> e(2:1)

ans =

   Empty matrix: 1-by-0

>> e(1,:,1)

ans =

     1     0     2

>> e(3,:,1)

ans =

     3     1     8

>> e(3,3,:)

ans =

     8
```

```
>> e(2,3,:)

ans =

     1

>> e(:,:,:)

ans =

     1     0     2
     2     1     1
     3     1     8

>> e(2,:)

ans =

     2     1     1

>> e(:,2)

ans =

     0
     1
     1

>> e(:,:,:)

ans =

     1     0     2
     2     1     1
     3     1     8

>> c

c =

     1     2     3     4     5

>> length(c)

ans =

     5

>> cl = [2 3 4 5 1]
```

```
cl =

     2     3     4     5     1

>> c + cl

ans =

     3     5     7     9     6

>> c - cl

ans =

    -1    -1    -1    -1     4

>> c/cl

ans =

    0.8182

>> cl'

ans =

     2
     3
     4
     5
     1

>> c*cl'

ans =

    45

>> c + cl

ans =

     3     5     7     9     6

>> c^2
Error using  ^
Inputs must be a scalar and a square matrix.
To compute elementwise POWER, use POWER (.^) instead.

>> c.^
 c.^
```

```
    |
Error: Expression or statement is incomplete or incorrect.

>> c.^2

ans =

     1     4     9    16    25

>> c.^cl

ans =

           1           8          81        1024           5

>> c\
 c\
   |
Error: Expression or statement is incomplete or incorrect.

>> m1 = [1 2]

m1 =

     1     2

>> m2 = [3 4]

m2 =

     3     4

>> 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

>> m1/2

ans =

    1.5000    2.0000
    0.5000    1.0000

>> det (m1)

ans =

     2

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

>> adjoint (m2/2)
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

>>
```