```
>> %Array: adalah tipe data khusus yang ada pada matlab
>> a = {'angel';
'usia 20';
'alamat rumah';
'pekerjaan pengacara'}

a =

    'angel'
    'usia 20'
    'alamat rumah'
    'pekerjaan pengacara'

>> a(2)

ans =

    'usia 20'

>> b = {'angel''pengacara'}

b =

    'angel'pengacara'

>> b = {'angel' 'pengacara'}

b =

    'angel'    'pengacara'

>> c = [ 1 2 3 4 5 ]

c =

     1     2     3     4     5

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

d =

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

>> 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 (1:2)

ans =

     1     2

>> e(2;2)
 e(2;2)
    |
Error: Unbalanced or unexpected parenthesis or bracket.

>> e(1,2)

ans =

     0

>> e(2,:,1)

ans =

     2     1     1

>> e(3,:,1)

ans =

     3     1     8

>> e(3,3)

ans =

     8

>> e(3,:)

ans =

     3     1     8
```

```
>> e(1,1)

ans =

     1

>> e(:,3)

ans =

     2
     1
     8

>> c

c =

     1     2     3     4     5

>> length(c)

ans =

     5

>> c1 = [2 3 4 5 1 ]

c1 =

     2     3     4     5     1

>> c + c1

ans =

     3     5     7     9     6

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

>> c / c1

ans =

    0.8182

>> c.*c1

ans =
```

```
     2     6    12    20     5

>> c1'

ans =

     2
     3
     4
     5
     1

>> c*c1'

ans =

    45

>> c

c =

     1     2     3     4     5

>> c1

c1 =

     2     3     4     5     1

>> c+c1

ans =

     3     5     7     9     6

>> c-c1

ans =

    -1    -1    -1    -1     4

>> c\c1

ans =

         0         0         0         0         0
         0         0         0         0         0
         0         0         0         0         0
         0         0         0         0         0
```

```
    0.4000    0.6000    0.8000    1.0000    0.2000

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

>> c.^2

ans =

     1     4     9    16    25

>> c.'c1
 c.'c1
    |
Error: Unexpected MATLAB expression.

>> c.'2
 c.'2
    |
Error: Unexpected MATLAB expression.

>> c.'

ans =

     1
     2
     3
     4
     5

>> c'

ans =

     1
     2
     3
     4
     5

>> m1 = [1 2]

m1 =

     1     2

>> m2 = [3 4]
```

```
m2 =

     3     4

>> m1 =[3 4'1 2]
 m1 =[3 4'1 2]
          |
Error: Unexpected MATLAB expression.

>> m1 =[3 4;1 2]

m1 =

     3     4
     1     2

>> m2 = [23;15]

m2 =

    23
    15

>> m2 = [2 3;1 5]

m2 =

     2     3
     1     5

>> mi + m2
Undefined function or variable 'mi'.

>> m1 + m2

ans =

     5     7
     2     7

>> 2*m1

ans =

     6     8
     2     4

>> det(m1)

ans =
```

```
     2

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

>> m3 = double(m1)

m3 =

     3     4
     1     2

>> inv(m1)

ans =

    1.0000   -2.0000
   -0.5000    1.5000

>>
```