```
>> %Array: adalah tipe data khusus yang ada pada matlab
>> a = {'iren';
'usia 20';
'alamat rumah';
'mahasiswa aktif'}

a =

    'iren'
    'usia 20'
    'alamat rumah'
    'mahasiswa aktif'

>> a(2)

ans =

    'usia 20'

>> b = {'iren' 'mahasiswa'}

b =

    'iren'    'mahasiswa'

>> c = [1 2 3 4 5]

c =

     1     2     3     4     5

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

d =

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

>> e = [1 2 3; 4 5 6; 7 8 9]

e =

     1     2     3
     4     5     6
     7     8     9
```

```
>> e(1,:,1)

ans =

     1     2     3

>> e(3,:,1)

ans =

     7     8     9

>> e(1,1)

ans =

     1

>> e(3,2)

ans =

     8

>> e(:,:,:)

ans =

     1     2     3
     4     5     6
     7     8     9

>> e(3,:,1)

ans =

     7     8     9

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

>> e(3,:)

ans =

     7     8     9

>> e(:3)
 e(:3)
    |
Error: Unexpected MATLAB expression.
```

```
>> e(:,3)

ans =

     3
     6
     9

>> length(c)

ans =

     5

>> c1 = [5 4 3 2 1]

c1 =

     5     4     3     2     1

>> c + c1

ans =

     6     6     6     6     6

>> c - c1

ans =

    -4    -2     0     2     4

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

>> c / c1

ans =

    0.6364

>> c .* c1

ans =

     5     8     9     8     5

>> c1'
```

```
ans =

     5
     4
     3
     2
     1

>> c*c1'

ans =

    35

>> c/c1

ans =

    0.6364

>> c\c1

ans =

         0         0         0         0         0
         0         0         0         0         0
         0         0         0         0         0
         0         0         0         0         0
    1.0000    0.8000    0.6000    0.4000    0.2000

>> c^c1
Error using  ^
Inputs must be a scalar and a square matrix.
To compute elementwise POWER, use POWER (.^) instead.

>> c^c1'
Error using  ^
Inputs must be a scalar and a square matrix.
To compute elementwise POWER, use POWER (.^) instead.

>> c.^c1

ans =

     1    16    27    16     5

>> c.^c1'

ans =

     1
```

```
    16
    27
    16
     5

>> c./c1

ans =

    0.2000    0.5000    1.0000    2.0000    5.0000

>> m1 = [3 4]

m1 =

     3     4

>> m1 = [3 4; 1 2]

m1 =

     3     4
     1     2

>> m2 = [2 1;3 4]

m2 =

     2     1
     3     4

>> m1 + m1

ans =

     6     8
     2     4

>> m1+m2

ans =

     5     5
     4     6

>> m1 - m2

ans =

     1     3
    -2    -2
```

```
>> 2*m1

ans =

     6     8
     2     4

>> 2*m2

ans =

     4     2
     6     8

>> det(m1)

ans =

     2

>> 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'.

>> m3 = adjoint(m1)
Undefined function 'adjoint' for input arguments of type 'double'.

>> inv(m1)

ans =

    1.0000   -2.0000
   -0.5000    1.5000

>> det(m1)/inv(m1)
Error using  /
Matrix dimensions must agree.

>> det(m1)*inv(m1)

ans =
```

```
    2.0000   -4.0000
   -1.0000    3.0000

>>
```