```
>> %Array : adalah tipe data khusus yang ada pada matlab
a = {'UliL';
'usia 21'
'tegalrejo'
'pengacara'}

a =

    'UliL'
    'usia 21'
    'tegalrejo'
    'pengacara'

a(2)

ans =

    'usia 21'

a(4)

ans =

    'pengacara'

%mendefisikan Array tapi komponen didalamnya menggunakan intejer
b = [1 3 5 7 9]

b =

     1     3     5     7     9

%tipe string
c = {'UliL' 'pengacara' '13'}

a =

    'UliL'
    'usia 21'
    'tegalrejo'
    'pengacara'

 a =
     |
Error: Expression or statement is incomplete or incorrect.

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

```
>> c
Undefined function or variable 'c'.

>> c = {'UliL' 'pengacara' '13'}

c =

    'UliL'    'pengacara'    '13'

>> b
Undefined function or variable 'b'.

>> b =
 b =
     |
Error: Expression or statement is incomplete or incorrect.

>> d = [ 1 3 5 7 9;
2 4 6 8 0;
1 2 3 4 5]

d =

     1     3     5     7     9
     2     4     6     8     0
     1     2     3     4     5

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

e =

     3     2     1
     3     1     2
     1     2     3

>> e(2:2)

ans =

     3

>> e(:,:,:)

ans =

     3     2     1
     3     1     2
     1     2     3

>> e(:,3,1)
```

```
ans =

     1
     2
     3

>> e(:,1
 e(:,1
      |
Error: Expression or statement is incorrect--possibly unbalanced (, {, or [.

>> e(:,1)

ans =

     3
     3
     1

>> % e untuk belajar mengenai matrix dan cara pemanggilannya
>> b = [1 3 5 7 9]

b =

     1     3     5     7     9

>> length (b)

ans =

     5

>> c1 = [5 3 2 4 1]

c1 =

     5     3     2     4     1

>> c1 + b

ans =

     6     6     7    11    10

>> b-c1

ans =

    -4     0     3     3     8

>> b/c1
```

```
ans =

    1.1091

>> c1'

ans =

     5
     3
     2
     4
     1

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

>> b*c1'

ans =

    61

>> % operator di vektor
>> % perkalian silang
>> cross(cl',b)
Undefined function or variable 'cl'.

>> cross(cl,b)
Undefined function or variable 'cl'.

>> cross(cl',b);
Undefined function or variable 'cl'.

>> isequal(cl,b)
Undefined function or variable 'cl'.

>> cross(c1',b)
Error using cross (line 37)
A and B must have at least one dimension of length 3.

>> isequal(c1,b)

ans =

     0

>> c1>b
```

```
ans =

     1     0     0     0     0

>>
>> m1 = [1 2]

m1 =

     1     2

>> m2 = [3 4]

m2 =

     3     4

>> m1 = [3 2; 1 4]

m1 =

     3     2
     1     4

>> m2 = [4 2; 3 1]

m2 =

     4     2
     3     1

>> m2 + m1

ans =

     7     4
     4     5

>> m1-m2

ans =

    -1     0
    -2     3

>> m1>m2

ans =

     0     0
     0     1
```

```
>> det(m2)

ans =

    -2

>> adjoint(m2)
Undefined function 'adjoint' for input arguments of type 'double'.

>> doublem3(m2)
Undefined function 'doublem3' for input arguments of type 'double'.

>> double m3(m2)

ans =

   109    51    40   109    50    41

>> inv(m2)

ans =

   -0.5000    1.0000
    1.5000   -2.0000

>>
```