```
>> %Array : adalah tipe data khusus yang ada pada Matlab.
a = {'Angga';
'usia 21'
'Ambarawa'
'Data Analist'}

a =

    'Angga'
    'usia 21'
    'Ambarawa'
    'Data Analist'

a(2)

ans =

    'usia 21'

%mendefinisikan Array tapi komponen didalamnya menggunakan intejer.
b = [1 2 3 4 5]

b =

     1     2     3     4     5

%tipe string
c =
 c =
     |
Error: Expression or statement is incomplete or incorrect.

c = {'Angga' 'Data Analist'}

c =

    'Angga'    'Data Analist'

%tipe number
b =
 b =
    |
Error: Expression or statement is incomplete or incorrect.

b

b =

     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

a =

    'Angga'
    'usia 21'
    'Ambarawa'
    'Data Analist'

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

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

e =

     1     0     2
     2     1     1
     3     1     8

e(1,2,:)

ans =

     0

e(2,2,:)

ans =

     1

e(1,:,1)

ans =

     1     0     2

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

e(2,:,1)
```

```
ans =

     2     1     1

e(2,2)

ans =

     1

e(:,1)

ans =

     1
     2
     3

e(:,2)

ans =

     0
     1
     1

e(:,3)

ans =

     2
     1
     8

% (e) tadi sedang belajar bagaimana kita memanggil salah satu baris, kolom atau salah↙
satu angka didalam matriks tersebut.
c1 = [2 3 4 5 1]

c1 =

     2     3     4     5     1

c1 + b

ans =

     3     5     7     9     6

b - c1

ans =
```

```
    -1    -1    -1    -1     4

b/c1

ans =

    0.8182

b.*c1

ans =

     2     6    12    20     5

c*c1'
Undefined function 'mtimes' for input arguments of type 'cell'.

b.*c1'
Error using  .*
Matrix dimensions must agree.

b*c1'

ans =

    45

%operator di vektor
%penjumlahan vektor
v1 = [1, 2, 3];
v2 = [4, 5, 6];
c1+b

ans =

     3     5     7     9     6

%pengurangan vektor
c1-b

ans =

     1     1     1     1    -4

%perkalian silang vektor
cross(c1,b);
Error using cross (line 37)
A and B must have at least one dimension of length 3.

cross(b,c1')
```

```
Error using cross (line 37)
A and B must have at least one dimension of length 3.

%pengecekan kesamaan vektor
isequal(c1,b)

ans =

     0

m1 = [ 2 1;3 1]

m1 =

     2     1
     3     1

m1 = [ 2 1;1 2]

m1 =

     2     1
     1     2

det(m1)

ans =

     3

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

sub_c1 = c1(3:2)

sub_c1 =

   Empty matrix: 1-by-0

c1'

ans =

     2
     3
     4
     5
     1

b'
```

```
ans =

     1
     2
     3
     4
     5

inv (m1)

ans =

    0.6667   -0.3333
   -0.3333    0.6667

%inv (m1) = invers dari m1


a =

    'Angga'
    'usia 21'
    'Ambarawa'
    'Data Analist'

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

>>
```