

```
>> %Array: adalah tipe data khusus yang ada pada matlab
```

```
>> a = {'Aca';  
'usia 21';  
'alamat rumah';  
'pekerjaan mahasiswa'}
```

```
a =
```

```
    'Aca'  
    'usia 21'  
    'alamat rumah'  
    'pekerjaan mahasiswa'
```

```
>> a(2)
```

```
ans =
```

```
    'usia 21'
```

```
>> b =
```

```
b =  
|
```

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

```
>> b = {'Aca' 'Mahasiswa'}
```

```
b =
```

```
    'Aca'    'Mahasiswa'
```

```
>> b = {"Aca" "Mahasiswa"}
```

```
b = {"Aca" "Mahasiswa"}  
|
```

```
Error: The input character is not valid in MATLAB statements or expressions.
```

```
>> 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(:, :)
```

```
ans =
```

```
     1     0     2
     2     1     1
     3     1     8
```

```
>> e(2, :, 1)
```

```
ans =
```

```
     2     1     1
```

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

```
ans =
```

```
     1     0     2
```

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

```
ans =
```

```
     3
```

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

```
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
```

```
ans =
```

-1	-1	-1	-1	4
----	----	----	----	---

```
>> c1'
```

```
ans =
```

2
3
4
5
1

```
>> c * c1
```

```
Error using *  
Inner matrix dimensions must agree.
```

```
>> c*c1'
```

```
ans =
```

45

```
>> c/c1
```

```
ans =
```

```
0.8182
```

```
>> c.^c1
```

```
ans =
```

```
1      8      81     1024      5
```

```
>> c/c1
```

```
ans =
```

```
0.8182
```

```
>> 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.*c1
```

```
ans =
```

```
2      6     12     20      5
```

```
>> c.\c1
```

```
ans =
```

```
2.0000  1.5000  1.3333  1.2500  0.2000
```

```
>> c.^c1
```

```
ans =
```

```
1      8      81     1024      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 = [2 3;1 5]
```

```
m2 =
```

2	3
1	5

```
>> m1 + m2
```

```
ans =
```

5	7
2	7

```
>> m1 - m2
```

```
ans =
```

1	1
0	-3

```
>> m1 * m2
```

```
ans =
```

10	29
4	13

```
>> det (m1)
```

```
ans =
```

```
2
```

```
>> adjoint (m1)
```

```
Undefined function 'adjoint' for input arguments of type 'double'.
```

```
>> inv (m1)
```

```
ans =
```

```
    1.0000    -2.0000  
   -0.5000    1.5000
```

```
>>
```