

Structure & Cell Array

```
clear  
clc
```

```
car1.year = 2012
```

```
car1 = struct with fields:  
    year: 2012
```

```
car1.color = 'red'
```

```
car1 = struct with fields:  
    year: 2012  
    color: 'red'
```

```
car1.mpg = 35
```

```
car1 = struct with fields:  
    year: 2012  
    color: 'red'  
    mpg: 35
```

```
car1
```

```
car1 = struct with fields:  
    year: 2012  
    color: 'red'  
    mpg: 35
```

```
whos
```

Name	Size	Bytes	Class	Attributes
car1	1x1	526	struct	

```
car2 = struct('year',2009,'color','blue','mpg',27);
```

```
cars = [car1,car2]
```

```
cars = 1x2 struct
```

Fields	year	color	mpg
1	2012	'red'	35
2	2009	'blue'	27

```
cars(2).mpg = 45
```

```
cars = 1x2 struct
```

Fields	year	color	mpg
1	2012	'red'	35
2	2009	'blue'	45

```
cars(2)
```

```
ans = struct with fields:
    year: 2009
    color: 'blue'
    mpg: 45
```

CELL ARRAY

```
myCell = {1 2 3; 'test1',[1 ; 2],false}
```

```
myCell = 2x3 cell
```

	1	2	3
1	1	2	3
2	'test1'	[1;2]	0

```
y = myCell(2,1)
```

```
y = 1x1 cell array
    'test1'
```

```
class(y)
```

```
ans =
    'cell'
```

```
y= myCell{2,1}
```

```
y =
    'test1'
```

```
class(y)
```

```
ans =
    'char'
```

```
y= myCell{1:2,1}
```

```
y = 1
```