

```
1 % Script without myClass
2 - a = 'initialValue';
3 - b = a2b( a );
4 - c = b2c( b );
5 - if isa( c, 'char' )
6 -     d = c2d_char( c );
7 - elseif isa( c , 'double')
8 -     d = c2d_num( c );
9 - end
10
11
12 -
13 -
14 -
15 -
16
17
18
19 -
20
21
22 -
```

```
1
2
3
4
5
6
7
8
9
10
11
12 -
13 -
14
15
16
17 -
18
19
20 -
21 -
22
23
24 -
25 -
26 -
27 -
28 -
29
30
31 -
32 -
33
34 -
35 -
36 -
37
38
39
40
41
42 -
43 -
44
45
46 -
47 -
48
49
```

```

1 % Script without myClass
2 - a = 'initialValue';
3 - b = a2b( a );
4 - c = b2c( b );
5 - if isa( c, 'char' )
6 -     d = c2d_char( c );
7 - elseif isa( c , 'double')
8 -     d = c2d_num( c );
9 - end
10
11 % Script with myClass
12 - m = myClass( 'initialValue' );
13 - m.a2b;
14 - m.b2c;
15 - m.c2d;
16
17
18
19 -
20
21
22 -

```

```

1 classdef myClass < handle
2
3     properties
4         a
5         b
6         c
7         d
8     end
9
10    methods
11        function obj = myClass( initVal )
12            obj.a = initVal;
13        end
14
15        function a2b( obj )
16            obj.b = [obj.a '_through_a2b'];
17        end
18
19        function b2c( obj )
20            obj.c = [obj.b '_through_b2c'];
21        end
22
23        function c2d( obj )
24            switch class( obj.c )
25                case 'char', c2d_char( obj );
26                case 'double', c2d_num( obj );
27            end
28        end
29
30
31
32
33
34
35
36
37    end
38
39    methods ( Hidden ) % My dirty little secrets
40        % Hidden from user, they don't appear in methods(myClass('1'))
41        function c2d_char( obj )
42            obj.d = [obj.c '_through_c2d_char'];
43        end
44
45        function c2d_num( obj )
46            obj.d = [obj.c '_through_c2d_double'];
47        end
48    end
49 end

```

```

1 % Script without myClass
2 - a = 'initialValue';
3 - b = a2b( a );
4 - c = b2c( b );
5 - if isa( c, 'char' )
6 -     d = c2d_char( c );
7 - elseif isa( c , 'double')
8 -     d = c2d_num( c );
9 - end
10
11 % Script with myClass
12 - m = myClass( 'initialValue' );
13 - m.a2b;
14 - m.b2c;
15 - m.c2d;
16
17
18 % Script with myClass and 'function obj =...'
19 - m = myClass( 'initialValue' ).a2b.b2c.c2d;
20
21
22 -

```

```

1 classdef myClass < handle
2
3     properties
4         a
5         b
6         c
7         d
8     end
9
10    methods
11        function obj = myClass( initVal )
12            obj.a = initVal;
13        end
14
15        function obj = a2b( obj )
16            obj.b = [obj.a '_through_a2b'];
17        end
18
19        function obj = b2c( obj )
20            obj.c = [obj.b '_through_b2c'];
21        end
22
23        function obj = c2d( obj )
24            switch class( obj.c )
25                case 'char',    c2d_char( obj );
26                case 'double',  c2d_num( obj );
27            end
28        end
29
30
31
32
33
34
35
36
37    end
38
39    methods ( Hidden ) % My dirty little secrets
40        % Hidden from user, they don't appear in methods(myClass('1'))
41        function c2d_char( obj )
42            obj.d = [obj.c '_through_c2d_char'];
43        end
44
45        function c2d_num( obj )
46            obj.d = [obj.c '_through_c2d_double'];
47        end
48    end
49 end

```

```

1 % Script without myClass
2 - a = 'initialValue';
3 - b = a2b( a );
4 - c = b2c( b );
5 - if isa( c, 'char' )
6 -     d = c2d_char( c );
7 - elseif isa( c , 'double')
8 -     d = c2d_num( c );
9 - end
10
11 % Script with myClass
12 - m = myClass( 'initialValue' );
13 - m.a2b;
14 - m.b2c;
15 - m.c2d;
16
17
18 % Script with myClass and 'function obj =...'
19 - m = myClass( 'initialValue' ).a2b.b2c.c2d;
20
21 % Script with myClass and one2another
22 - m = one2another( myClass('initialValue'),'a','d' );

```

```

1 classdef myClass < handle
2
3     properties
4         a
5         b
6         c
7         d
8     end
9
10    methods
11        function obj = myClass( initVal )
12            obj.a = initVal;
13        end
14
15        function obj = a2b( obj )
16            obj.b = [obj.a '_through_a2b'];
17        end
18
19        function obj = b2c( obj )
20            obj.c = [obj.b '_through_b2c'];
21        end
22
23        function obj = c2d( obj )
24            switch class( obj.c )
25                case 'char',    c2d_char( obj );
26                case 'double',  c2d_num( obj );
27            end
28        end
29
30        function obj = one2another( obj, in, out )
31            ord = { 'a','b','c','d' };
32            ind = find(strcmp(in, ord)):(find(strcmp(out, ord))-1);
33            for kk=ind
34                obj.([ord{kk} '2' ord{kk+1}]);
35            end
36        end
37    end
38
39    methods ( Hidden ) % My dirty little secrets
40        % Hidden from user, they don't appear in methods(myClass('1'))
41        function c2d_char( obj )
42            obj.d = [obj.c '_through_c2d_char'];
43        end
44
45        function c2d_num( obj )
46            obj.d = [obj.c '_through_c2d_double'];
47        end
48    end
49 end

```