Genereate Container Maps

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Generate a Container map with any time of data

Create a container map with float, int, string, and matrix

```
close all;
clear all;

% Create A Map with String Keys and any values
param_map = containers.Map('KeyType','char', 'ValueType','any');
param_map('share_unbanked_j') = 12;
param_map('equi_r_j') = 2;
param_map('equi_w_j') = 'abc';
param_map('equi_P_j') = zeros(2,3);
param_map.keys
```

```
ans = 1×4 cell array
    {'equi_P_j'}    {'equi_r_j'}    {'equi_w_j'}    {'share_unbanked_j'}
```

```
param_map.values
```

```
ans = 1×4 cell array
    {2×3 double}    {[2]}    {'abc'}    {[12]}
```

Access Multiple Values of a container map

Values been accessed need to be of the same type

```
% Parameter Dealing from Map
params_group = values(param_map, {'share_unbanked_j', 'equi_r_j'});
[equi_P_j, equi_r_j] = params_group{:}
```

```
equi_P_j = 12
equi_r_j = 2
```

```
% Access Scalar Elements of Map and Convert the Array
cell2mat(values(param_map, {'share_unbanked_j', 'equi_r_j'}))
```

```
ans = 1×2
    12     2
```