Container Map Display Key and Values and Subseting

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Print Keys and Values

Define container:

```
% Define Container
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') = 1.2;
```

Print the key and values of the container:

```
param_map_keys = keys(param_map);
param_map_vals = values(param_map);
for i = 1:length(param_map)
    st_key = param_map_keys{i};
    ob_val = param_map_vals{i};
    st_display = strjoin(['pos =' num2str(i) '; key =' string(st_key) '; val =' string(ob_val)]
    disp(st_display);
end
```

```
pos = 1 ; key = equi_P_j ; val = 1.2
pos = 2 ; key = equi_r_j ; val = 2
pos = 3 ; key = equi_w_j ; val = abc
pos = 4 ; key = share_unbanked_j ; val = 12
```

Select of Subset of Key/Values from a Container Map

There is a larger container map, I want to create a new container map, that keeps a subset of the keys/values of the full container map.

```
% Original Container map
param_map = containers.Map('KeyType','char', 'ValueType','any');
param_map('equi_r_j') = 0.05;
param_map('equi_w_j') = 1.05;
param_map('equi_P_j') = 1;
% To select a subset of keys
ls_st_keys_select = {'equi_w_j', 'equi_P_j'};
% Select
param_map_subset = containers.Map(ls_st_keys_select, values(param_map, ls_st_keys_select));
% display
disp(param_map_subset.keys);
```

```
    'equi_P_j'    'equi_w_j'
```

```
disp(param_map_subset.values);
```

```
    [1]    [1.0500]
```