

# display.grid.map()

The map() method creates a new array of records with the results of calling a provided function on every element in the grid records array.

## Parameter

1. Callback function that receives the following arguments:
  - a. Record object with properties for each field in the grid
  - b. Index - the zero-based index of the current grid record being processed
  - c. Records array - array representing all of the grid records

The function must return a record object.

## Return Value

An array containing the new records. Each array element is a JavaScript object with properties for each field in the grid.

## Example

```
pjs.defineDisplay("display.json"); // assume display.json defines mygrid with fields named "product", "description",
and "quantity"

display.mygrid.addRecords([
  { product: 1, description: "ITEM ONE", quantity: 15 },
  { product: 2, description: "ITEM TWO", quantity: 20 },
  { product: 3, description: "ITEM THREE", quantity: 12 }
]);

var records = display.mygrid.map(function(record) {
  record.quantity += 1;
  return record;
});

console.log(records);

// The line above will log the following output:
// [ { product: 1, description: "ITEM ONE", quantity: 16 },
//   { product: 2, description: 'ITEM TWO', quantity: 21 },
//   { product: 3, description: 'ITEM THREE', quantity: 13 } ]
```