```
1      <script>
2          // jQuery validation code
3          jQuery.validator.setDefaults({
4              debug: true,
5              success: "valid",
6              errorClass: "error-text" // Apply the "error-text" class to error messages
7          });
8
9          // Create an array of item field names
10         var itemFields = ["item1", "item2", "item3", "item4"];
11         var itemValidationMessages = {}
12
13         // Create an object to store validation rules for all item fields
14         var itemValidationRules = {};
15
16         // Validation rules and messages for each item field
17         for (var i = 1; i <= 4; i++) {
18             var itemFieldName = "item" + i;
19             itemValidationRules[itemFieldName] = {
20                 required: true,
21                 number: true,
22                 min: 0
23             },
24                 itemValidationMessages[itemFieldName] = {
25                 required: "Please enter a quantity for Item " + i + "!",
26                 number: "Numbers only for Item " + i + "!",
27                 min: "Positive number only for Item " + i + "!"
28             };
29         }
30  /*
31         // Combine itemValidationRules and itemValidationMessages with sellerName
           validation
32         var combinedValidationRules = Object.assign({}, itemValidationRules, {
33             sellerName: {
34                 required: true,
35                 minlength: 2
36             }
37         });
38
39         var combinedValidationMessages = Object.assign({}, itemValidationMessages, {
40             sellerName: {
41                 required: "Please enter a name!",
42                 minlength: "Name must be at least 2 characters long!"
43             }
44         });
45  */
46
47         $("#inputForm").validate({
48             rules: itemValidationRules,
49             messages: itemValidationMessages,
50             submitHandler: function (form) {
51                 updateNumSold();
52                 updateItemTotals();
53                 return false; // Prevent form submission
54             }
55         });
56
57         // Function to update numSold values
58         function updateNumSold() {
59             $('#numSold1').val($('#item1').val());
60             $('#numSold2').val($('#item2').val());
61             $('#numSold3').val($('#item3').val());
62             $('#numSold4').val($('#item4').val());
63         }
64
65         // Event listener for the "CLEAR FORM" button
66         $('#clearForm').click(function () {
67             $('#inputForm')[0].reset();
68             $('.numField, .right-table').val('');
```

```
69              });
70
71          function updateItemTotals() {
72              let prices = [20.99, 12.75, 9.95, 35.89];
73              for (var i = 1; i <= 4; i++) {
74                  var quantity = parseFloat($('#item' + i).val());
75                  var total = (quantity * prices[i - 1]).toFixed(2);
76                  $('#total' + i).val('$' + total);
77              }
78              sumCommission();
79          }
80
81          // Calculate and update the commission
82          function sumCommission() {
83              var totalSales = 0;
84              for (var i = 1; i <= 4; i++) {
85                  var total = parseFloat($('#total' + i).val().replace('$', '')) || 0;
86                  totalSales += total;
87              }
88              var commission = (0.09 * totalSales) + 250;
89              $('#totalSold').val('$ ' + totalSales.toFixed(2));
90              $('#totalEarn').val('$ ' + commission.toFixed(2));
91          }
92      </script>
93
94
```