Array Review Worksheet

1. What is an array in Java?

2. Declare a 2-dimensional array called **table** of base type **int** with 4 rows and 5 columns in each row.

3. Write two printArray methods such that the method name is overloaded. One method should print a 1D array and the other should print a 2D array.

4. Write some Java code that will declare an array named **entry** that has length 3, has SalesAssociate as its base type, and is filled with 3 identical records. The records use the name “Jane Doe” and sales of $5000. Use a **for** loop.

Assume the SalesAssociate class looks like the following:

```java
public class SalesAssociate {
    private String name;
    private double sales;
    public SalesAssociate(String initialName, double initialSales) {
        this.name = initialName;
        this.sales = initialSales;
    }
}
```
5. Consider the list \{13, 9, 15, 2\}. Show the list after each iteration of the outer loop for bubble and selection sorting algorithms.

<table>
<thead>
<tr>
<th>Bubble</th>
<th>Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 9 15 2</td>
<td>13 9 15 2</td>
</tr>
</tbody>
</table>