**First Name**

**Last Name**

# Selection Sort Worksheet

1. Practice sorting the following data using Selection Sort. Write the correct sequence of integers for each value of outer after its inner loop has been completed:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **outer** | **20** | **2** | **10** | **34** | **83** | **29** |
| **0** |  |  |  |  |  |  |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |

1. Practice sorting words using Selection Sort. Write the correct sequence of words for each value of outer after its inner loop and swap have been completed:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **outer** | **programs** | **java** | **always** | **very** | **well** | **document** |
| **0** |  |  |  |  |  |  |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |

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| **0** |  |  |  |  |  |  |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
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| **1** |  |  |  |  |  |  |
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| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |