**Sorting Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Given **int[ ] numbers = { 4, 3, 9, 1, 5, 6 };** , complete the following.

1. If a Selection sort routine was being used to place the integers in order from low to high, write the results of each pass.

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| --- | --- | --- | --- | --- | --- |
| 4 | 3 | 9 | 1 | 5 | 6 |
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1. If an Insertion sort was being used to place the integers in order from low to high, write the results of each pass.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 | 3 | 9 | 1 | 5 | 6 |
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1. Using the array **numbers**, demonstrate how the merge sort would be executed.