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Exercises: Elementary Sorts

To specify an array or sequence of values in an answer, you must separate the values by a single space character (with no punctuation and with no leading or trailing whitespace). For example, if the question asks for the first ten powers of two (starting at 1), the only accepted answer is:

```
1 2 4 8 16 32 64 128 256 512
```

If you wish to discuss a particular question and answer in the forums, please post the entire question and answer, including the seed (which is used by the course staff to uniquely identify the question) and the explanation (which contains the correct answer).

Question 1

```
(seed = 692288)
```

Give the array that results after the first 4 exchanges when selection sorting the following array:

```
E N K O P M G Y C F
```

Question 2

```
(seed = 168768)
```

Give the array that results after the first 6 exchanges (not iterations!) when insertion sorting the following array:

```
D H J N W G T O I X
```

Question 3

```
(seed = 691776)
```

Give the array that results immediately after the 4-sorting phase of Shellsort on following array:

```
X Y D V H O P R S C
```

☐ In accordance with the Honor Code, I certify that my answers here are my own work.

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