

## Top-20 Training Program (Sort based problems)

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Apply the solution building strategies discussed in class to solve following problems.

**List Sorting:**

<https://leetcode.com/problems/sort-list/description/>

**InsertionSort**

<https://leetcode.com/problems/insertion-sort-list/description/>

**FlipSort:**

[https://uva.onlinejudge.org/index.php?option=com\\_onlinejudge&Itemid=8&category=24&page=show\\_problem&problem=1268](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&category=24&page=show_problem&problem=1268)

**DNA Sorting:**

[https://uva.onlinejudge.org/index.php?option=com\\_onlinejudge&Itemid=8&category=24&page=show\\_problem&problem=553](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&category=24&page=show_problem&problem=553)

**Train Swapping:**

[https://uva.onlinejudge.org/index.php?option=onlinejudge&Itemid=8&page=show\\_problem&problem=235](https://uva.onlinejudge.org/index.php?option=onlinejudge&Itemid=8&page=show_problem&problem=235)

**Football:**

[https://uva.onlinejudge.org/index.php?option=com\\_onlinejudge&Itemid=8&page=show\\_problem&problem=1135](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&page=show_problem&problem=1135)

**Stacks of Flapjacks:**

[https://uva.onlinejudge.org/index.php?option=com\\_onlinejudge&Itemid=8&page=show\\_problem&problem=1135](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&page=show_problem&problem=1135)

**Vitos Family:**

[https://uva.onlinejudge.org/index.php?option=com\\_onlinejudge&Itemid=8&category=24&page=show\\_problem&problem=982](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&category=24&page=show_problem&problem=982)