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| Input | Processing | Output |
| * A file containing a last name and a score per line. * Functions to process and display the data | * Read data from the file and populate two parallel arrays: one for last names and one for scores * Display names and scores in original order * Display names and scores in reverse order * Initialize high\_var to 0 and low\_var to 999 * Loop through the scores array: update high\_var and high\_index if a score is higher than high\_var * Update low\_var and low\_index if a score is lower than low\_var * Retrieve names from the indices of the highest and lowest scores | * Names and scores displayed in original and reverse order * Name and score of the student with the highest score * Name and score of the student with the lowest score |