Project 6 Rubric Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- |
| **Item**  **Number** | **Criteria** | **Ratings** | **Score** |
| 1 | This criterion is linked to a Learning Outcome Insertion sort 1 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Insertion sort completed correctly in ascending order by TV show name. The output includes the sorted contents of the array including show name, year it premiered, the male lead and the female lead. | 3 pts  Partial Credit  The sort is not completed correctly or the output is not correct. | 0 pts  No Marks  The sort is not completed correctly and the output is not correct. | |  |
| 2 | This criterion is linked to a Learning Outcome Insertion sort 2 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Insertion sort completed correctly in descending order by number of seasons. The output includes the sorted contents of the array including show name, the year it premiered and the number of seasons. | 3 pts  Partial Credit  The sort is not completed correctly or the output is not correct. | 0 pts  No Marks  The sort is not completed correctly and the output is not correct. | |  |
| 3 | This criterion is linked to a Learning Outcome Selection sort 1 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Selection sort completed correctly in ascending order by year the show premiered. The output should include the sorted contents of the array including show name, year it premiered and how many seasons. | 3 pts  Partial Credit  The sort is not completed correctly or the output is not correct. | 0 pts  No Marks  The sort is not completed correctly and the output is not correct. | |  |
| 4 | This criterion is linked to a Learning Outcome Selection sort 2 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Selection sort completed correctly in descending order by genre. The output should include the sorted contents of the array including show name, number of episodes and the genre. | 3 pts  Partial Credit  The sort is not completed correctly or the output is not correct. | 0 pts  No Marks  The sort is not completed correctly and the output is not correct. | |  |
| 5 | This criterion is linked to a Learning Outcome Merge sort 1 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Merge sort completed correctly in descending order by network. The output should include the sorted contents of the array including show name, year it premiered, how many seasons and the network. | 3 pts  Partial Credit  The sort is not completed correctly or the output is not correct. | 0 pts  No Marks  The sort is not completed correctly and the output is not correct. | |  |
| 6 | This criterion is linked to a Learning Outcome Merge sort 2 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Merge sort completed correctly in ascending order by number of episodes. The output should include the sorted contents of the array including show name, year it premiered, number of episodes and the network. | 3 pts  Partial Credit  The sort is not completed correctly or the output is not correct. | 0 pts  No Marks  The sort is not completed correctly and the output is not correct. | |  |
| 7 | This criterion is linked to a Learning Outcome Sequential search 1 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Sequential search completed correctly to find all shows in the array that lasted for 2 years. The output should include the show names, year it premiered, how many seasons and the network. | 3 pts  Partial Credit  The search is not completed correctly or the output is not correct. | 0 pts  No Marks  The search is not completed correctly and the output is not correct. | |  |
| 8 | This criterion is linked to a Learning Outcome Sequential search 2 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Sequential search completed correctly to find all shows in the array that had more than 100 episodes. The output should include the show names, how many seasons and the number of episodes. | 3 pts  Partial Credit  The search is not completed correctly or the output is not correct. | 0 pts  No Marks  The search is not completed correctly and the output is not correct. | |  |
| 9 | This criterion is linked to a Learning Outcome Each of the three sorts - insertion, selection and merge sort - are used in the binary searches | |  |  |  | | --- | --- | --- | | 5 pts  Full Marks  Each of the three sorts - insertion, selection and merge sort - are used in the binary searches | 3 pts  Partial Credit  Two of the three sorts - insertion, selection and merge sort - are used in the binary searches | 0 pts  No Marks  One or none of the three sorts - insertion, selection and merge sort - are used in the binary searches | |  |
| 10 | This criterion is linked to a Learning Outcome Binary search 1 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Binary search completed correctly to find and count all shows in the array that aired on CBS. The output should include the show names and the total number of shows counted as well as inform the user that the shows were aired on CBS. | 3 pts  Partial Credit  The search is not completed correctly or the output is not correct. | 0 pts  No Marks  The search is not completed correctly and the output is not correct. | |  |
| 11 | This criterion is linked to a Learning Outcome Binary search 2 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Binary search completed correctly to find and count all shows in the array in the fantasy category. The output should include the show names and the total number of shows counted as well as inform the user that the shows are in the fantasy category. | 3 pts  Partial Credit  The search is not completed correctly or the output is not correct. | 0 pts  No Marks  The search is not completed correctly and the output is not correct. | |  |
| 12 | This criterion is linked to a Learning Outcome Binary search 3 completed correctly | |  |  |  | | --- | --- | --- | | 6 pts  Full Marks  Binary search completed correctly to find and count all shows in the array in the drama category. The output should include the show names and the total number of shows counted as well as inform the user that the shows are in the drama category. | 3 pts  Partial Credit  The search is not completed correctly or the output is not correct. | 0 pts  No Marks  The search is not completed correctly and the output is not correct. | |  |
| 13 | This criterion is linked to a Learning Outcome Code compiles and runs without errors | |  |  | | --- | --- | | 5 pts  Full Marks  Code compiles and runs without errors | 0 pts  No Marks  Code does not compile and is automatically assigned 0 points for the overall grade | |  |
| 14 | This criterion is linked to a Learning Outcome Code is properly commented | |  |  |  | | --- | --- | --- | | 10 pts  Full Marks  Code is properly commented including all required header information | 5 pts  Partial Credit  Code has some of the required comments but is sparsely commented or missing the correct header information | 0 pts  No Marks  Code is sparsely commented or not commented at all and is missing all or most of the correct header information | |  |
| 15 | This criterion is linked to a Learning Outcome Program is properly designed and uses whitespace effectively | |  |  |  | | --- | --- | --- | | 14 pts  Full Marks  Program is not properly designed or it does not use whitespace effectively | 7 pts  Partial Credit  Program is not properly designed or it does not use whitespace effectively | 0 pts  No Marks  Program is not properly designed and it does not use whitespace effectively | |  |

Comments: