Programming Exercise 5

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| Criteria | % Value | 1: Unsatisfactory | 2: Less Than Satisfactory | 3: Satisfactory | 4: Good | 5: Excellent |
| **% Scaling** |  | 0% | 65% | 75% | 85% | 100% |
| **Content – 100%** | | | | | | |
| Create and utilize 2-dimensional arrays to model tables and grids | 40.0% | 2-dimensional array not used | 1-d array is used. At least some characters are stored in the array. The resulting string may not be correct. | 2-d array is used but may not be specified size or type (e.g. string instead of char). Characters are successfully stored and extracted in the array, but the resulting string may not be correct. | Same as excellent with only minor issues. | 2-d array is correct size and data type, characters are stored and extracted in the requested order. Resulting string is correct. There are no array index bounds errors. |
| Process strings as part of a programming solution | 30.0% | Strings in file are not processed, or program otherwise fails to meet processing requirements | Characters in a string are accessed (may not be from the text in the file) | At least some text in the file is extracted and characters are successfully accessed. | Same as excellent with only minor issues. | All text in the file is processed as requested. Individual characters of the text are accessed. Padding characters are added as appropriate. There are no indexing errors within the string. |
| Effectively communicate project details in video | 20.0% | Missing | Explanation is difficult to follow and it is unclear that the student understands their work. | Explanation is adequate. Some important details may be overlooked. Student exhibits a moderate understanding of their work. | Good pace and volume. Student clearly explains work, but may gloss over some details, while spending excess time on irrelevant parts of the program. | Explanation is concise and precise, covers all requested material, and it is obvious that the student understands all aspects of the submitted program. |
| Non-technical  specification met | 10.0% | Program is missing both comments and statement of independent work | *do not use this cell* | Excellent criteria partially met | *do not use this cell* | Comments appropriately used, name and statement of own work present, program submitted requested by instructor. Code is well-formatted and self-documenting. |