Project 5a: Counted Loop

Use the data file employeeData.dat. You will need to copy that file into your work space. The data contained in that file represents information stored about a series of employees.

Employee data.dat

The fields are employee number (int),, filing status (char), exemptions (int), classification (char: h for hourly, s for salaried), hours (double), pay rate (double), salary (double)

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| --- |
| 1001 s 11 h 40 15.35 0  1002 s 10 h 38 15 0  1003 s 9 h 26.45 45 0  1004 s 8 h 20 39.15 0  1005 s 7 h 37.15 20 0  1006 s 6 h 55.35 20 0  1007 s 5 h 53.3 20 0  1008 s 4 s 0 0 1430  1009 s 3 s 0 0 1389  1010 s 2 s 0 0 1777 |

Write a program that accesses the information in the file, employeeData.dat. You will iteratively read into memory the first five employee’s data and display it to the screen with a meaningful message. That will require that you read each data item in separately and concatenate it into a string for output.

Evaluation:

Evaluation (5 a)

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| Aspect | Objectives substantially met  90 – 100% | Meets Minimal Requirements  80-89% | Needs Improvement  79 – 79% | Failure to Meet Requirements  0 - 69% |
| Good Programming Practices  10% | Effective use of white space.  Clear and appropriate documentation.  Implements all needed error handling.  Data types and identifiers meet all expectations. | Use of white space and documentation with minor defect. Implementation of error handling general but lacking in minor aspects.  Selection of data types and / or creation of identifiers not consistent. | Generally meets expectations for good programming practices. | In the main does not meet expectations for good programming practices. |
| Iterative Structures  40% | All iterative structures appropriate to the algorithm proposed.  Control variables correctly formed and modified for program control |  |  |  |
| Accuracy of Output  50% | All output correct and supported with appropriate testing. | With minor exceptions the output is correct and testing may be missing some needed test cases. | Only part of the output is correct as a result of inadequate test cases. | Only some of the output is correct as a result of missing or misused test cases. |