Project 5b: Using an EOF Controlled While loop

Create a program that uses an EOF controlled while loop to access that data file employeeData.dat. The program will calculate the weekly gross pay based on hours and rate for hourly employees, those that have an ‘h’ in the classification field or on the value in the salary field for those with a classification of ‘s’. Hourly employees with more than 40 hours worked in a week will be paid at time and ½ for all hours over 40 worked in the week. Display all the information about each employee with a meaningful message.

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 |

Evaluation:

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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. |
| Selection Structures  20% | All selection structure of the best type for problem as posed. | Generally the best structure is implemented. | Some selections structures are appropriate. | In the main the selection structures do not fulfill the specifications. |
| Iterative Structures  30% | All iterative structures appropriate to the algorithm proposed.  Control variables correctly formed and modified for program control |  |  |  |
| Accuracy of Output  40% | 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. |