### cs370 program 1 FALL 2021

### Bennett Shoes is a small company that sells high end shoes and boots.

### Tyson Bennett, CEO has asked you to write a detailed Employee Report for his Knoxville, TN store. He wants to give the Knoxville store employees who have not received a raise in the last year a raise. The Knoxville store information has been stored in a file that is sorted in ascending order based on Store ID and Employee ID.

INPUT RECORD LAYOUT: 75-character record on disk – PR1F21-Knox.txt

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CC | Length | FIELD | DATA TYPE | RESTRICTIONS |
| 1-4 | 4 | Store ID | A | (KNOX, BHAM, HUNT, MONT) |
| 5-9 | 5 | Employee ID | AN |  |
| 10-11 | 2 | Employee Position | A | (SM-Manager, SS-ShiftSupervisor, OW-Office, SA-Sales, SE-Security) |
| 12-21 | 10 | Employee Last Name | AN |  |
| 22-31 | 10 | Employee First Name | AN |  |
| 32 | 1 | Employee Middle Initial | AN |  |
| 35-42 | 8 | Hire Date | N |  |
| 43 | 1 | Employee Status | A | (C-current, M-Maternity Leave, V-Vacation, O-Other approved Leave, T-Terminated no rehire, E- Eligible for rehire) |
| 44-51 | 8 | Separation Date | N |  |
| 52-59 | 8 | Starting Yearly Salary | N | 2 Dec |
| 60-67 | 8 | Date of Last Pay Increase | N |  |
| 68-75 | 8 | Current Yearly Salary | N | 2 Dec |

OUTPUT REPORT: Follow the Printer Spacing Chart on next page.

Chart

Description automatically generated

*Report title 1 – Date in YYYY/MM/DD format, BENNETT SHOES, YOUR INITIALS*

*Report title 2 – EMPLOYEE REPORT*

*Report title 3 – KNOXVILLE, TN*

*Report title 4 – EMP, EMP, EMP, EMP, EMP, LAST, CURRENT*

*Report title 5 – ID, POS, FIRST NAME, LAST NAME, STATUS, INCREASE, SALARY*

*Detail Line – fields for the information coming in from the input file (code once, reuse multiple times)*

*Total Line – SALARY TOTAL, field for the total salary*

*Hint1: To do the horizontal spacing count the squares and you will know how to code the line spacing across the page.*

*Hint2: Data Types X – Alphanumeric, 9 – Numeric, A – Alphabetic*

*Hint3: Count the X’s, 9’s and A’s to know the length of the field you need.*

*Hint4: The vertical line spacing between the lines is handled by how we send the information to the report file that we will create. DO NOT create a blank line for line spacing. You will be tempted to do this, but I will count off points.*