### cs370 program 3 FALL 2021

### Tyson Bennett of Bennett Shoes has purchased a four candy warehouses. The warehouses purchase candy supplies from 6 different Vendors and sells to small shops and schools for promotions in the Southeast. He plans to continue to sell to the small shops and schools as well as sell candy in his shoes stores and give candy away as promotional items for his shoes at local events.

### When he purchased the warehouses, he was told they attempted to digitize their records. He was given a very rushed single data file, he was told:

### 1. There may be missing data or incorrect data in the file.

### 2. It contains both employee information and Inventory Information.

INPUT: **224-character record** on disk – PR3FA21-MESS.TXT (view in landscape with a very small font)

|  |  |  |  |
| --- | --- | --- | --- |
| CC | FIELD |  | RESTRICTIONS |
| 1-4 | Warehouse | AN | BHAM, HUNT, ANNI, MONT |
| 5-9 | Employee ID | AN |  |
| 10-11 | Employee Position | A | (SM-Manager, SS-Supervisor, SA-Sales, WH - Warehouse, SE-Security) |
| 12-21 | Employee Last Name | AN |  |
| 22-31 | Employee First Name | AN |  |
| 32 | Employee Middle Initial | AN |  |
| 35-42 | Hire Date | N |  |
| 43-67 | FILLER | AN |  |
| 68-75 | Current Yearly Salary | N | 2-Dec |
| 76-77 | Number of Dependents | N |  |
| 78 | Health Plan | A | F – Family, S – Single, O – Opted Out |
| 79-81 | Health Ins Cost | N | Whole Dollars |
| 82-85 | FILLER | AN |  |
| 86 | Vender ID | A | (A-Atomic Sweets, B - Boozie Sweets, N-Nellies Sweet Shop, T-TigerTreats) |
| 87-89 | Candy ID | AN | C01-C10 |
| 90-224 | Candy Data Array (maximum of 5 Array Elements) |  | Candy Name X (15) |
| Candy Box Size A ( L - Large, M – Medium, |
| S – Small, G - Gift, X - Sample) |
| Candy Type AA(SF – Sugar Free, SU – Sugar) |
| Number of cases in stock S9(4) |
| Purchase price S999v99 |

NOTE: THERE IS NOT PRINTER SPACING CHART FOR THIS PROGRAM SINCE YOU ARE NOT WRITING A REPORT

### You are to write a single program that will:

### 1. Split the single input file into 4 inventory files and 4 employee files based on Warehouse ID.

2. Hard code a Table with an index and use a Table search to replace the incoming warehouse name with the new warehouse code while creating the 8 new files. Change as follows:

|  |  |
| --- | --- |
| OLD WAREHOUSE ID | NEW WAREHOUSE ID |
| BHAM | B100 |
| HUNT | B200 |
| ANNI | B300 |
| MONT | B400 |

3. The 4 separate inventory files will have this layout – REMEMBER 1 NEW FILE FOR EACH WAREHOUSE

|  |  |  |  |
| --- | --- | --- | --- |
| CC | FIELD |  | RESTRICTIONS |
| 1-4 | Warehouse ID | AN |  |
| 5 | Vender ID | A | (A-Atomic Sweets, B - Boston Sweets, N-Nellies Sweet Shop, T-Tiger Treats, U-Unity Candy, X-Xtra Candies) |
| 6-8 | Candy ID | AN | C00, C01, C02, C03, C04, C05, C06, C07, C08, C09, C10 |
| 9-143 | Candy Data Array (maximum of 5 Array Elements) |  | Candy Name X (15) |
| Candy Box Size A ( L – Large, M – Medium,  S-Small, F – Fundraiser,  X – Sample) |
| Candy Type AA (SF – Sugar Free, SU – Sugar) |
| Number of cases in stock 9(4) |
| Case Purchase price 999v99 |

4. The 4 separate employee files will have this layout – REMEMBER 1 NEW FILE FOR EACH WAREHOUSE

|  |  |  |  |
| --- | --- | --- | --- |
| CC | FIELD |  | RESTRICTIONS |
| 1-4 | Warehouse ID | AN |  |
| 5-9 | Employee ID | AN |  |
| 10-11 | Employee Position | A | (SM-Manager, SS-Supervisor, SA-Sales, WH - Warehouse, SE-Security) |
| 12-21 | Employee Last Name | AN |  |
| 22-31 | Employee First Name | AN |  |
| 32 | Employee Middle Initial | AN |  |
| 35-42 | Hire Date | N |  |
| 43-67 | FILLER | AN |  |
| 68-75 | Current Yearly Salary | N | 2-Dec |
| 76-77 | Number of Dependents | N |  |
| 78 | Health Plan | A | F – Family, S – Single, O – Opted Out |
| 79-81 | Health Ins Cost | N | Whole Dollars |
| 82-85 | FILLER | AN |  |

### 5. Create and ERROR File based on the original Warehouse ID. As you are processing and creating these new files, you will need to validate the Original Warehouse ID first. If the warehouse id is not BHAM, HUNT, ANNI or MONT, DO NOT PROCESS it. Write the entire record to the error file and do not include it in the new files you are creating.