### cs370 program 3 FALL 2019

### Glencoe Candy, Ltd is a company that sells specialty Candies. Every month, details of Glencoe’s candy inventory are gathered together into an Inventory File (PR3FA19.TXT).

### Glencoe Candy Ltd’s CEO – Dr. Yari Jensen has asked you to write a program that gives a detailed listing of the candy inventory he currently has in 5 different warehouses that he purchases from 4 Candy Vendors.

INPUT: **143-character record** on disk – PR3FA19.TXT (view in landscape with a small font)

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| CC | FIELD | RESTRICTIONS |
| 1-4 | Warehouse ID AN |  |
| 5 | Vendor ID AN | (A-Atomic Sweets, B - Boozie Sweets, N-Nellies Sweet Shop, T-TigerTreats) |
| 6-8 | Candy ID AN | C01-C10 |
| 9-143 | Candy Data (maximum of 5) | Candy Name X (15)  Candy Box Size A ( L - Large, M – Medium,  S – Small, G - Gift, X - Sample)  Candy Type A (SF – Sugar Free, SU – Sugar)  Number of cases in stock S9(4)  Purchase price S999v99 |
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1. This is a Multi-Level Control Break. There are 3 breaks –
   1. Major – Warehouse ID
   2. Intermediate – Vender ID
   3. Minor – Candy ID
2. The Vendor ID is to be expanded you may use either an If or an Evaluate Statement. If a valid Vendor Code is not found enter INVALID and the invalid ID number instead of the Vendor Name.
3. The Candy Box Sizing is to be expanded via an EVALUATE statement. If a valid Candy Box Size is not found enter BAD and the invalid code instead of the Candy Box Sizing information.
4. Validate the number of cases in stock and the purchase price before doing any math. Should the data not be numeric, put zeroes in the field.
5. The incoming record contains an array of up to five Candies; blanks appear in the extra fields when an incoming record has fewer than five candies (validation will be necessary).
6. Determine the total cost spent for each candy (number in stock \* purchase price)
7. Accumulate the Candy total
8. Accumulate the Vendor Total
9. Accumulate the Warehouse Total
10. Accumulate a grand total for all five warehouses.
11. Each Warehouse should print on a new page with the grand total only on the last page after all warehouses are done.
12. Be sure to follow the Printer Spacing Chart.