### cs370 program 2 FALL 2022

### Rolling Pizza is a small food truck business that sells pre-made pizzas and pretzels at local events

### You have been asked to write a detailed Inventory Report for their 3 Rolling Pizza Trucks. Your boss wants to know the current inventory of each truck. The food truck information has been stored in a file that is sorted in ascending order based on Truck ID.

INPUT RECORD LAYOUT: 42-character record on disk – PR2F22-Inven.txt

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CC | Length | FIELD | DATA TYPE | NOTES |
| 1-5 | 5 | Truck ID | AN | P100A, P200G, P300H |
| 6-9 | 4 | Employee ID | AN |  |
| 10-29 | 20 | Employee Name | AN |  |
| 30-31 | 2 | Item ID | A | (CH – Cheese Pizza, PP - Pepperoni Pizza, SA - Sausage Pizza, SU - Supreme Pizza, PR - Pretzel) |
| 32-34 | 3 | Number in Stock | N | No decimal |
| 35-38 | 4 | Item Purchase Price | N | 2 decimal |
| 39-42 | 4 | Item Selling Price | N | 2 decimal |

1. Use if or nested if statements to validate the following:
2. When the Truck ID is not valid move ‘ERROR’ into the detail-line truck ID.
3. Check the Item ID and place the appropriate Item Name in the detail-line field.
4. Check the Numeric Incoming fields to make sure they are Numeric. When they are invalid, put zeros in the detail-line field.
5. Calculations:
   1. Multiply the number in stock by the purchase price to get the total inventory cost of each item.
   2. Total Number in Stock Column
   3. Total Purchase Price Column
   4. Total Total Inven Cost Column

OUTPUT REPORT: Follow the Printer Spacing Chart

A picture containing scatter chart

Description automatically generated

*Report title 1 – Date in YYYY/MM/DD format, ROLLING PIZZA, YOUR INITIALS*

*Report title 2 – INVENTORY REPORT*

*Report title 3 – TRUCK, ITEM, NUM IN, PURCHASE, TOTAL*

*Report title 4 – ID, NAME, STOCK, PRICE, INVEN COST*

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

*Total Line – fields for the total number of items in stock, total purchase price and total inventory cost*

*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*

*Hint 3: Editing Symbols have been added to the detail line and total line fields*

*Hint4: Every IF must have an End-IF*

*Hint5: 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.*