**PS8P4 - IPO**

Create a text file with item, quantity and price. Read through the file one line at a time. Compute the extended price (quantity x price). For each line display the item, quantity, price and extended price. After the loop display the sum of all the extended prices, the count of the number of orders and the average order.

|  |  |  |
| --- | --- | --- |
| **INPUT** | **PROCESSING** | **OUTPUT** |
| IN TEXT FILE:  Item  Quantity  Price | NumOfOrders = 0  SumOfExtPrices = 0  Get first Item |  |
|  | while not at the end of the file  Get item  while Item != “ “  Get Quantity, Price  ExtendedPrice = Quantity \* Price  NumOfOrders = NumOfOrders + 1  SumOfExtPrices = SumOfExtPrices + ExtendedPrice  AvgOrder = SumOfExtPrices / NumOfOrders  Get next Item | Item  Quantity  Price  Extended Price |
|  |  | SumOfExtPrices  NumOfOrders  AvgOrder |