Group Project Phase II
Detail Transaction Report
20 pints; due by 5pm, demo by 3pm, April 11 (Friday)

Problem Description

The accounting department wanted to check the account receivables based on customer numbers and names, and the staff has asked you to generate a detail report that includes all transaction details. Therefore, you are required to sort the transaction records using the **customer number** as the major key, and the **item number** as the minor key, and generate the detail report. In addition, on the last page of the report, you must print out the running totals of sales amount, sales tax and transaction amount of all transactions.

(1) `sales amount = unit price * quantity`
(2) `sales tax = sales amount * 5.5%`
(3) `transaction amount = sales amount + sales tax`

Requirement and Grading

1. You must download the transaction file **PhaseII.dat** from D2L. You MUST use the **SORT** command to sort the transaction records in PhaseII.dat; or **0 points**. Please refer to the record layout in Phase I.
    *   primary key: `customer number`
    *   minor key: `item number`
2. You MUST use the underline printer spacing chart to design your report.
    *   for each line of the output, you must include all fields in a record, plus the sales amount, sales tax and transaction amount; **-2 points** for each field missing.
    *   you must print the company name as the main title, and the name of the report as the subtitle, and you must print date and time, and the page number on the report; **-1 points** for each item missing.
    *   print the department name based on the department code; **-2 points** if the department name is not printed.
    *   edit all numeric fields, including unit price, quantity, sales amount, sales tax, and transaction amount; you must suppress the leading zeroes; **-1 point** for each field not properly edited.
    *   you must print the running totals on the last page of the report, including sales amount, sales tax, and transaction amount; you must print the dollar sign for all totals and suppress the leading zeroes; **-1 point** for each field not properly edited.
3. You **MUST DEMO** your program before **3pm, April 11 (Friday) at ULR206**, or **0 points**. Both members need to attend the demo.
    *   One of the group members is responsible for uploading the following files to the Dropbox **Project Part II** on D2L: (1) the source code (.CBL file), (2) the report file created, and (3) the printer spacing chart that shows the design of your report; **0 points** if either of the above not uploaded.
4. You must follow the programming guidelines and rules on D2L.
5. The group member who has no contribution to the project, or didn't attend the demo get **0 points**.
6. During the demo, you must show your program runs, or **0 points**; you must show your report file is correctly generated, or **0 points**.
7. **Late penalty: 10% off** total points earned for every 12-hours late.