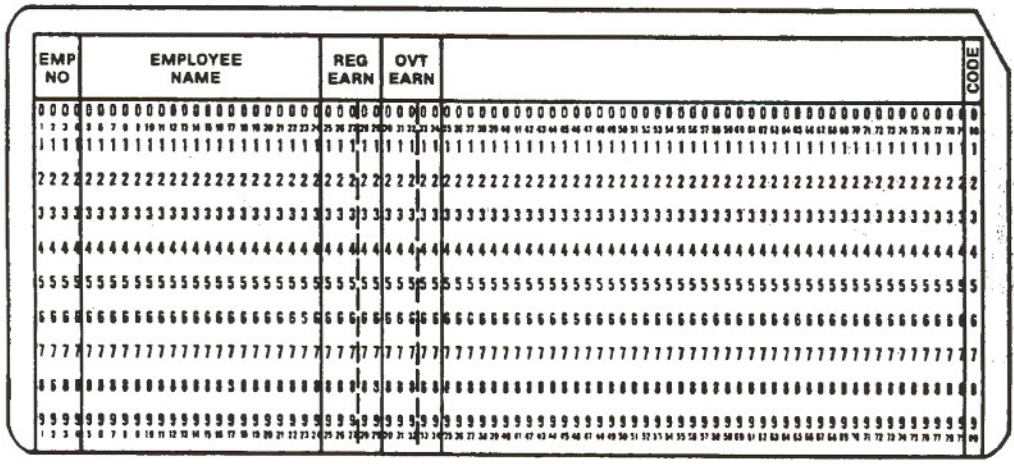
CHAPTER 6

PROGRAMMING ASSIGNMENT 1

INSTRUCTIONS

Write the RPG program to prepare a Payroll Report. The input card contains the Employee Number, Employee Name, Regular Earnings, Overtime Earnings, and a Code which indicates whether the employee worked first, second, or third shift. If first shift is worked, there is no bonus; if second shift is worked, there is a bonus of $5.00 and if third shift is worked, there is a bonus of $10.00. If a valid code is not found in the input record, the message INVALID SHIFT should be printed. The Total Earnings is calculated by adding the Regular Earnings, the Overtime Earnings, and the Bonus.

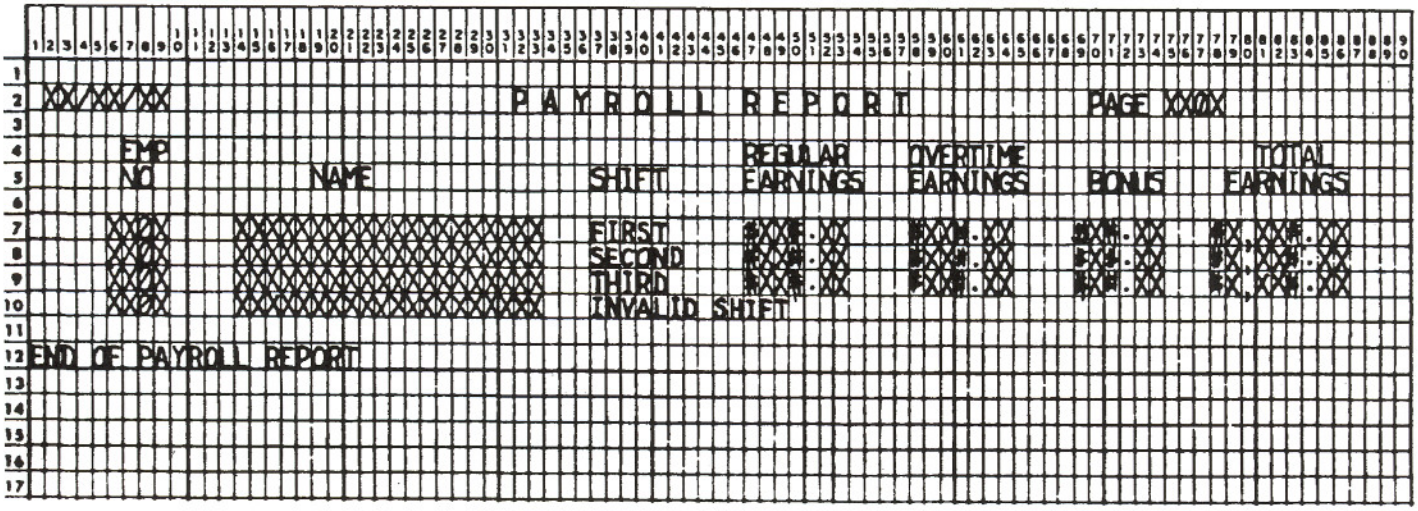
INPUT



OUTPUT

The output from the program is illustrated below.

PRINTER SPACING CHART



CHAPTER 6

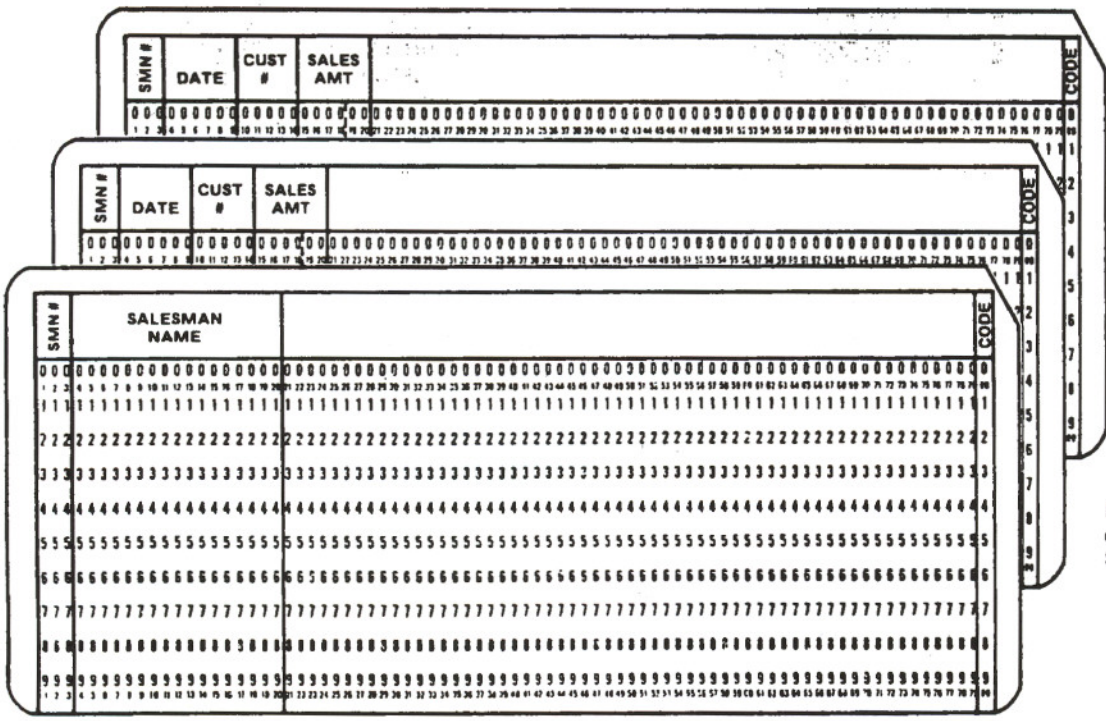
PROGRAMMING ASSIGNMENT 2

INSTRUCTIONS

Write the RPG program to produce the Daily Sales Report.

INPUT—Salesman Name Cards and Sales Cards

Input is to consist of two types of cards for each salesman: A Salesman Name Card and a Daily Sales Card reflecting the Amount sold to each customer contacted for the day. There is one Salesman Name Card for each salesman. This card is identified by a "1" control punch in card column 80. There may also be one or more Daily Sales Cards for each salesman. These cards will be identified by a "2" control punch in column 80. The possibility also exists that there will only be a Salesman Name Card and no Daily Sales Card. The format of the cards is illustrated below.



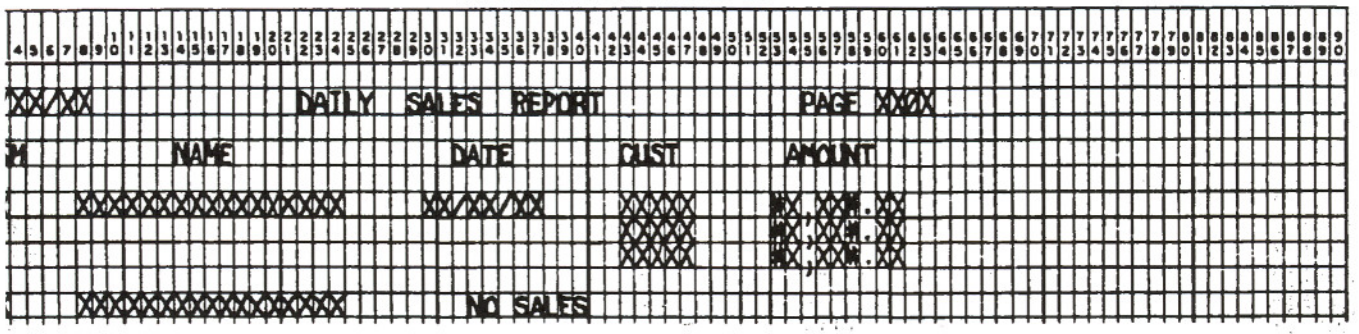
NOTE: A "2" control punch in card column 80 identifies the Daily Sales Cards

NOTE: A "1" control punch in card column 80 identifies the Salesman Name Cards

OUTPUT—Daily Sales Report

Output is to consist of a Daily Sales Report listing the Salesman Number and the Salesman Name from the first card. The Date, Customer Number, and Sales Amount are to be printed for each of the Daily Sales Cards. Note that the Date, which will be identical for each of the Daily Sales Cards, is to be printed only on the first line for each Salesman. If there are no Daily Sales Cards for the Salesman, the message "NO SALES" should be printed adjacent to the Salesman Number and the Salesman Name.

PRINTER SPACING CHART



Hint: The date field will be available when the Salesman Name Card is printed by Looking Ahead at the date in the first Daily Sales Card. Look Ahead fields can be specified on the Output Specifications as well as the Calculation Specifications.

CHAPTER 6

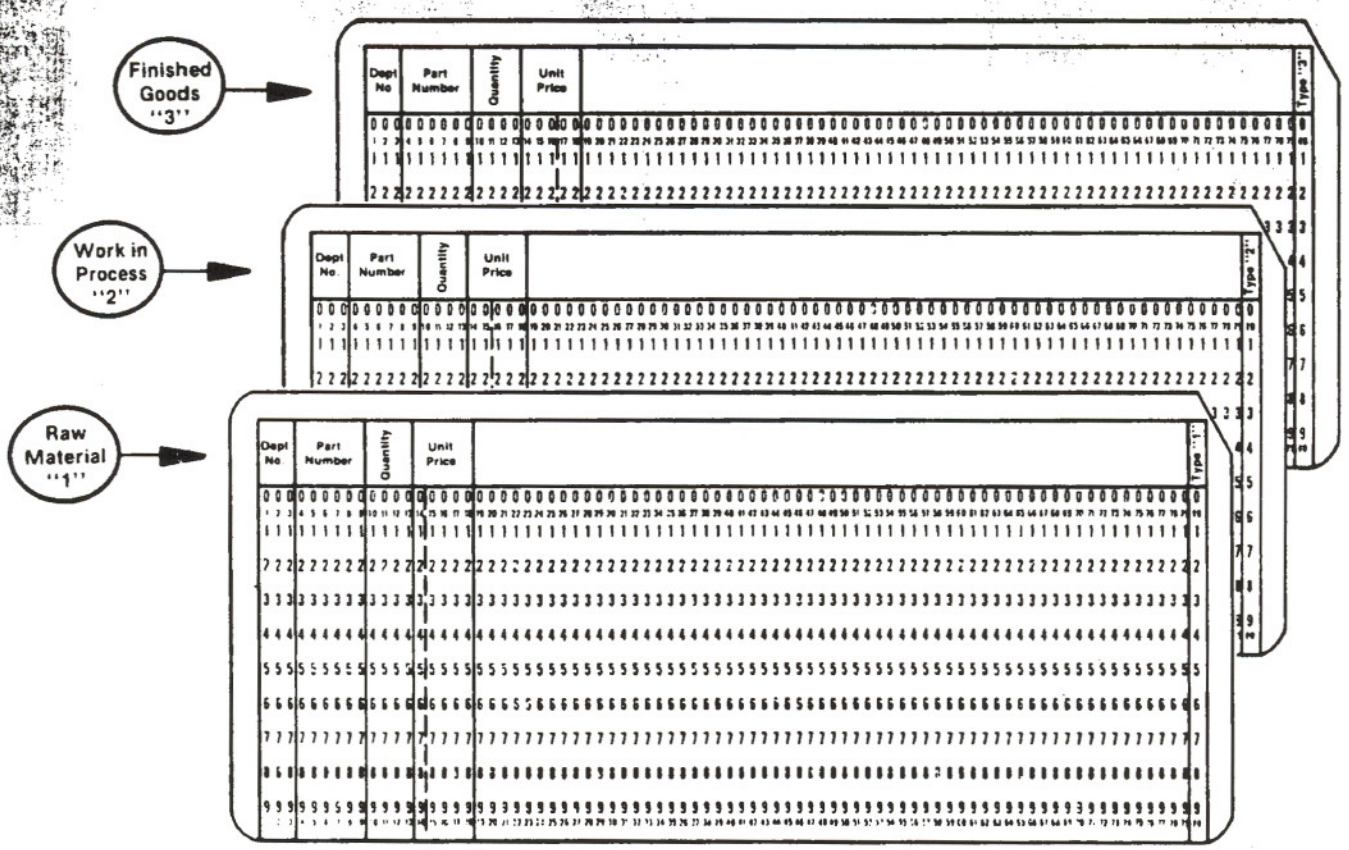
PROGRAMMING ASSIGNMENT 3

INSTRUCTIONS

Write the RPG program to process Physical Inventory records and create a Physical Inventory Report. A Physical Inventory consists of a count of the number of parts a company currently has. These parts may be in one of three conditions: Raw Material, Work in Process, or Finished Goods. When the part consists merely of Raw Material, then no work has been done to build the part. When a part is in Work in Process, it is in the process of being built. Finished Goods means that the part has been completely built and is ready to be sold to a customer. Test data is contained in Appendix E.

INPUT—Physical Inventory Cards

The Physical Inventory Cards consist of three types—one for the Raw Material Count, one for the Work in Process Count, and one for the Finished Goods Count. The format of these cards is illustrated below.



Note from the card formats that each contains a type code in column 80 to identify the type of card being processed. Note also that the number of decimal places to the right of the decimal point in the unit prices is different dependent upon the type of record being processed. For Raw Material, the unit price has the format X.XXXX, for Work in Process the format is XX.XXX, and for Finished Goods, the format is XXX.XX.

OUTPUT—Physical Inventory Report

There is one card per part number for each type. Thus, there would be one raw material card for part number 996543, one Work in Process card for part number 996543, and one Finished Goods card for this part number. Note, however, that there need not be all three cards, that is, one part number may only have a card for Finished Goods.

The report is to have the department number group indicated and the part number group printed. The print line is to have the total amount for each of the three categories. The total amount is determined by multiplying the unit price in the card input by the quantity in the card input. Note that all values on the report are specified as dollars and cents.

PRINTER SPACING CHART