Mini Project

1. Sometimes we like to track the expenses and the income that we have on a daily basis in order to analyze the flow of money. Create a text file with four columns separated by a tab. The first column contains a date, second column contains an account head and third column contains amount debited or credited, fourth column contains whether the head is a credit head or a debit head (C/D). Write all expenses in the credit head. All incomes in the debit head. For all these programs take input as arguments on command line.

   a. Write an AWK program to calculate the total expenses on a particular head.

   b. Write an AWK program to calculate total expenses and total income in a given month. Print the difference of the two amounts.

   c. Write an AWK program to print a listing of three columns. First column contains the month. Second column contains the account head. Third column contains the sum of all expenses on that particular head in the month printed in first column.

   d. Similarly create a listing for all incomes under a particular head.

   e. Now you'd like to know all the dates on which you spend some amount on a particular item. Write an AWK program to list the date, account head and amount spend under that particular head. At the end of the listing print the total amount spend on that account head.

   f. Now you'd like to know all the information in one compact HTML file. Write a program to create an HTML file which contains 3 lists. These are as follows:

   i. First list of total expenses with 3 columns: Date, Account Head and Amount Spent. Each account head will contain the sum of all amount spent on that head in that particular month and year.

   ii. Second list of total amount debited to your account with the same columns as above except last column as Amount Debited instead of Amount spent.

   iii. Third list - a cumulative total of amount spent on each of the account heads in the latest year.