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Homework 2

**Sed (Use the file attached called datebook)**

Read the chapter from https://flylib.com/books/en/4.356.1.40/1/ then complete this part of the lab

**1.**Change the name Jon to Jonathan .  
  
**2.**Delete the first three lines.  
  
**3.**Print lines 5 through 10 .  
  
**4.**Delete lines containing Lane .  
  
**5.**Print all lines where the birthdays are in November or December .  
  
**6.**Append three asterisks to the end of lines starting with Fred .  
  
**7.**Replace the line containing Jose with JOSE HAS RETIRED .  
  
**8.**Change Popeye 's birthday to 11/14/46 . Assume you don't know Popeye's original birthday. Use a regular expression to search for it.  
  
**9.**Delete all blank lines.  
  
**10.**Write a sed script that will

**a.**Insert above the first line the title PERSONNEL FILE .

**b.**Remove the salaries ending in 500 .

**c.**Print the contents of the file with the last names and first names reversed .

**d.**Append at the end of the file THE END .

Awk (use the file attached called lab3.data)

Read the chapter at https://flylib.com/books/en/4.356.1.52/1/ and then complete this part of the lab

The database contains the names , phone numbers , and money contributions to the party campaign for the past three months.

1. Print all the phone numbers.
2. Print Dan 's phone number.
3. Print Susan 's name and phone number.
4. Print all last names beginning with D .
5. Print all first names beginning with either a C or E .
6. Print all first names containing only four characters .
7. Print the first names of all those in the 916 area code.
8. Print Mike 's campaign contributions. Each value should be printed with a leading dollar sign; e.g., $250 $100 $175.
9. Print last names followed by a comma and the first name.
10. Write an awk script called facts that
    1. Prints full names and phone numbers for the Savages .
    2. Prints Chet 's contributions.
    3. Prints all those who contributed $250 the first month.

Awk (use the lab4.data file)

The database contains the names , phone numbers , and money contributions to the party campaign for the past three months.

1. Print the first and last names of those who contributed more than $100 in the second month.
2. Print the names and phone numbers of those who contributed less than $85 in the last month.
3. Print the names of those who contributed between $75 and $150 in the first month.
4. Print the names of those who contributed less than $800 over the three-month period.
5. Print the names and addresses of those with an average monthly contribution greater than $200 .
6. Print the first name of those not in the 916 area code.
7. Print each record preceded by the number of the record.
8. Print the name and total contribution of each person.
9. Add $10 to Chet 's second contribution.
10. Change Nancy McNeil 's name to Louise McInnes .

OPTIONAL CHALLENGE:

nawk on lab5.data and lab6.data

Write a nawk script that will fulfill each of these lab requirements.  Lab files are attached.

https://flylib.com/books/en/4.356.1.71/1/

https://flylib.com/books/en/4.356.1.80/1/

Turn in all scripts as well as the sed or awk statements you used for each question, clearly labeled so I can tell which question goes with which answer.