

EECS 2032

Lab 2 Fall 2019

In this lab, you will write a small shell script to perform some calculations using conditional statements and to manipulate a string. The lab should be submitted as **submit 2032 LAB2 file_name**

Problem 1

Write a shell script that reads two dates, on the form
month1 year1 month2 year2
where month is a number between [1 .. 12] and year is a positive number
Your script should calculate the difference between these two dates (date2 - date1).

Your answer should be on the form

x years and y months

where there is only 1 space between the words/numbers.

The line ends with a new line character.

The line is displayed on the standard output.

Your file should be named lab2_1.sh and the file should be executable

How to deal with input data

1. If any input is negative you should display "No negative numbers please" without the quotes and followed by a new line character.
2. If any month is greater than 12 or equal 0, display "Wrong month format" without the quotes and followed by a new line.
3. If date1 is bigger than date2, display "date1 is bigger than date2" without quotes and followed by a new line character.
4. If multiple cases (negative numbers and date2 less than date1), then you display the first error message according to the list above (in this case negative numbers).

Submit the file as lab2_1.sh to LAB2 directory

Problem 2

Write a shell script lab2_2.sh (make it executable) to display your quota as

You used x of y MB

Where x is the space you used and y is your quota
In order to do this, use man quota to get the exact format. Also you have to know how to change a space separated words into array.