

1. Write a shell script, that takes arguments and calculates the sum of the arguments:
Examples of the program operation: `./counter 1 2 3 4 5`
Program prints: 15
2. Download file "companySupports" using the command line in Edunix environment. File can be found from: http://users.metropolia.fi/~samisai/unix_2016/ Hint: `wget`
3. Write a shell script that reads the contents of the companySupports file and prints the contents of the file line by line.
4. Continue from this lab exercise 3; Add a feature, where you print the contents of the file as follows:
Company name: [LINECHANGE] support 2013, support 2012, support 2011, change-% 2012-2011

Example printout:

Company name: Wallac Oy

Support 2013: 665 587, Support 2012: 732 253, Support 2011: 941 139, Change-% 2012-2013: -

Hint: Tuki is finnish and means support

5. Continue from this lab exercise 4; Add a feature to the script so, that you can give an argument to the script defining which year is of interest. When the year is given as argument (for example 2012) then you must also be able to give another argument defining by number what is the limit of the money given to the company in order for it to be displayed. Script must also print at the end how many companies match the criteria.

Example execution: `./companysupport_search 2013 1000000`

Example printout:

Company name

Support 2013: 1012989, Support 2012: 270824, Tuki 2011: 0, Muutos-% 2012-2013: 274

Companies that match the criteria (amount: 1000000e): 65 total (v. 2013)

6. Continue from this lab exercise 5; upgrade the search funtion so, that you can define portion of company name as argument, so all matchin companies will be shown:
Example executon: `./ex Wa`
Example printout:
Company name: Wallac Oy
Support 2013: 665587, Support 2012: 732253, Support 2011: 941 139, Change-% 2012-2013: -9
7. Create a schell script that print your name and date to a file.
8. Continue so, that this lab exercise 7 is ran every minute using crontab (man crontab)