Sistemas Informáticos (Computer Systems)  
Unit 13. Activities 02

short line

Authors: Sergi García, Alfredo Oltra

Updated March 2024

Unit 13 (Extra). Activities 02

Use forums to ask questions or help your classmates :)

# Exercise 01

Create a script that asks a number and checks if that number is prime or not. You can remember prime definition here <https://en.wikipedia.org/wiki/Prime_number>

# Exercise 03

Create a script that asks a number and calculates its factorial. Definition can be found here <https://en.wikipedia.org/wiki/Factorial>

# Exercise 03

Create a script that shows the number of users currently logged in the system.

**Tip:** “w” or “who” command and their parameters could be useful to do this script.

# Exercise 04

Create a script that asks a username and shows its home directory. That information should be checked using “*/etc/passwd*” file.

# Exercise 05

We have a file with two columns (name and country) separated by : like

| Pedro:Spain Juan:Spain Mark:Holland Vladimir:Russia Terry:USA |
| --- |

We have to create a program that shows only country names. They should be shown ordered descent by their country name.

If a country appears more than one time, it should be shown only one time.

**Tip**: “sort” command and their parameters could be useful to do this script.