Examples of basic script problems

1. Create a file called *recortara10.bash* that show the last 10 lines of a detailed ls –l of $HOME directory. Temporary files could be used.
   Notice that we can do it with a pipe (|)
   Check the permissions of *recortara10.bash* and, if not activated, switch to execution to execute the script.

2. To the previous script pass as parameter on which directory the listing will be made
   In the command line we will type, for example, *./recortara10.bash /* where / represents root directory. The script will be

3. Complements the previous script so that it lists in detail, from the last 10 files of the /etc directory, those with extension .c. To do so, build the appropriate Regular Expression..

4. Write a script that counts the number of lines of the *auth.log* file passed as parameter, stores it in a variable and prints it on screen. This file is located in the */var/log* directory. Also, print the date and time of the last connection

5. Be the following files with the following data:
   ciudades.txt file contains the name of cities and their population
   Albacete: 173050
   Madrid: 3223334
   Valencia: 789004
   Barcelona: 1620343
   Sevilla: 690000

   On the other hand the file *alcaldes.txt* that contains the name of the mayor and the city
   Vicente Casañ:Albacete
   José Luis Martínez-Almeida:Madrid
   Joan Ribó:Valencia
   Ada Colau:Barcelona
   Juan Espadas:Sevilla

   Write a script that shows the file *ciudades.txt* sorted in order of size from least to most.
   Next, show the file *alcaldes.txt* in alphabetical order of city.
   Finally, merge both files with respect to the city.