NAME		DATE	**8 / 06 / 2022**	QUALIFICACIÓ
SUBJECT	**ASIX1 - DAW1 - M01UF3**	AC. YEAR	**2021 - 2022**	

1- (2 points) Download the following source code:

http://www.collados.org/asix1/m01/tu3/extr/rocket1.c

Create a **Makefile** to easily:
a) <u>Compile</u> **rocket1.c**
b) <u>Clean</u> temporary files
c) <u>Install</u> **rocket1** on your system in the **/usr/local/bin** directory
d) <u>Uninstall</u> **rocket1** from your system

NOTE: You have to add at the top of your file information about date, author and software name

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2- (2 points) Create a new **.deb** package called **rocket1_0.4-2_amd64.deb** with the following information:

a) Maintainer: **xxyyzz@fjeclot.net**   **b)** Summary: **Launch rocket1 into space**
c) License: **GPL**   **d)** Group: **Science**

NOTE 1: You should know how to answer any other questions asked by the software used to create deb packages.

NOTE 2: xx=two first letters of your name, **yy**=two first letters of your first surname and **zz**=two first letters of your second surname. **Packages where xxyyzz has not been properly written will get 0 points!!!!**.

3- (3 points) Write a script called **rocket1.sh** that:

a) Firstly, it clears the screen and checks if the script is being run by the **root** user. If it is **not** being run by the **root** user, the script will terminate showing the message "This script must be run as root" and   returning an exit code equal to **10**.
b) Secondly, it shows a menu with the following options:
      1- Install the rocket1 deb package - (with the help of **dpkg**).
      2- Remove the rocket1 deb package - **(**with the help of **dpkg**).
      3- Show information about the rocket1 deb package - (with the help of **aptitude**).
c) Thirdly, the selected option is run. If you do not select a valid option then, your script must show the following message **"Wrong option"**.
d) Finally, your script asks the user if he/she wants to start again from the beginning. If the user answers **y**, your script should clear screen and show again the menu. If the user does not answer **y**, your script should terminate returning an exit code equal to **0**.

NOTE: You have to add into the script information about date, author and software name

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4- Write a script called **rmgrp.ps1** that:
- Firstly, for each local group in the system, your script asks if you want to remove the group or not. Only If your answer is **"yes"** the group will be removed. For any oher answer the script does not run any command.
- Secondly, it shows a message asking the user if you want to repeat the previous step (option **y**) or not (option **n**). If the user select **n**, your script must terminate returning an exit code equal to **0**. Default option is **y**.

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Save into a file called **asix1_surname_name_m01tu3extr.tar.gz** the following files:
a) Makefile   **b) rocket1_0.4-2_amd64.deb**
c) rocket1.sh   **d) rrmgrp.ps1 (with no extension)**

Send your file attached to an e-mail to **cf@collados.org** or **jordi.binefa@fje.edu** (it depends on who your teacher is) with the following subject: **asix1_surname_name_m01tu3extr**.