

1. Write a shell Script which is able to erase the screen and displays the current directory content. Eventually it has to display the calendar.
2. Do an shell script which asks the name of the user and displays a personalized “wave”.

```
prompt# ./ej
name: John
Hello John
prompt#
```

3. Write a shell script which is able to make the operation $(a+b)/c$.

- (a) First version: the numbers as positional parameters.
- (b) Second version: Ask each one of the parameters.

4. Do a shell script which asks 2 numbers. Next, test if they are different; and if they are, subtract the smaller number from the larger number.
5. Create a calculator that lets you select an operation (add, subtract, multiply or divide) and lets you enter two operands . Finally, it will display the result of the operation.
6. Write a shell script that receives 2 strings as a parameter and displays a message saying whether they are equal or not. In addition, the number of parameters should be checked.

```
prompt# ./ej hello hello
The strings are equal
prompt# ./ej hello bye
The strings are different
prompt# ./ej hello hello hello
Too many parameters
```

7. Write a shell script which receives an argument, making a file with the name of the argument. Lastly, a new name should be asked in order to rename the file.
8. Write a script that displays the multiplication table of the number received as an argument.
9. Write a shell script that receives a file name as a parameter and indicate the size of this file.
10. Write a script that receives the name of the file as a parameter. If that file doesn't exist, the file should be created. Once the file is created, the script will ask for the file name again. If the name is the same, the script will finish by saying that name. If the introduced name is different, the name will be asked until the suitable name is written.
11. Write a shell script which says if the numbers received as an argument are odd or even.

```
prompt# ./ej 4 6 3
Number 4 es even
Number 6 is even
Number 3 is odd
prompt#
```

12. Write a script which given a argument, it says whether is a directory or a file.
13. Make a shell script which receives 2 files as an argument and calculates which file has the greater number of lines. The output will indicate which file has more, less or the same number of lines and the number of lines.
14. Write a shell script which says how many files and directories there are in the folder received as an argument. The script should count that.
15. Write a shell script which checks if the directory received as an argument exists in the current directory. If it exists, it should say if it is empty or not.
16. Write a script which displays what is in the file with more lines of the current directory.
17. Create a shell script which asks for a directory and list files and directories in it. Do it with a function. The function should check if the directory exists.
18. Create a calculator that lets you select an operation (add, subtract, multiply or divide) and lets you enter two operands. Finally, it will display the result of the operation. Create it with functions.