Sistemas Informáticos (Computer Systems)

Unit 13. Activities 01

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Unit 13 (Extra). Activities 01

Use forums to ask questions or help your classmates :)

1. Exercise 01

a) Create a script that creates in current directory 70 folders numbered from 00 to 70. The numbers with one digit should contain a 0 on the left.

b) Create a script that asks if a forum is good or bad, asking it using keyboard. It has to repeat the question until the user writes GOOD.

c) Create a calculator that let you select an operation (add, subtract, multiply or divide) and let you enter two operands. At the end, it will display the result of the operation.

2. Exercise 02

Create a program to check if hotel rooms are available (they are empty) or not (there is a guest in the room). Also, available rooms can be clean or not clean.

Our hotel has 100 rooms.

In a loop, the program will ask a room number and then will display a menu with those options:

- Check is a room is available or not.
- Check is an available room is cleaned or not.
- Set not available, a clean and available room.
- Set available and not clean to a not available room
- Set cleaned, a not cleaned room.
- Exit program.

If an operation can not be performed, our program has to show an error.

The program has to be persistent (if you run again the program, configuration changes should remain).

Tip: you can create/delete files/directory and check if they exist.