UNIT 12 PYTHON. SCRIPTING
Activities

Licencia

Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:

Actividad opcional. Normalmente hace referencia a un contenido que se ha comentado en la documentación por encima o que no se ha hecho, pero es interesante que le alumno investigue y practique. Son tipos de actividades que no entran para examen

Atención. Hace referencia a un tipo de actividad donde los alumnos suelen cometer equivocaciones.

UD012. SCRIPTING
Activities

Use forums to ask questions or help your classmates :)

1.1   Activity 1

a) Create a script that creates, in current directory, N folders numbered from 00 to N. The numbers with one digit should contain a 0 on the left. The user must enter the number of folders N.

b) Create a script that asks if a forum is good or bad, asking it using the 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.

1.2   Activity 2

Create a program that checks whether a directory or a file exists in a specific location. The directory/file and the location must be arguments.

1.3   Activity 3

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

Our hotel has 10 rooms labeled from 00 to 10 (*this is not binary code*).

Hint: you can create a directory or a file to identify each room.

1.4   Activity 4 (expands activity 3)

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 if a room is available or not.
- Check if an available room is cleaned or not.
- Set a room to **available** or **not available**.
- Set a room to **cleaned** or **not cleaned**.
- Exit program.

If an operation can not be performed, our program must 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.