

Labs - Variables and Algo

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Environment variables

TP_Scripting_Base

Algo

TP_Process_Management



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- ▶ Display the value of MyVar with the SHELL command echo
- ▶ How could you display the string “ISEN is good for you” using the variable MyVar ?



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- ▶ Display the value of MyVar with the SHELL command echo
- ▶ How could you display the string “ISEN is good for you” using the variable MyVar ?
- ▶ Now display in one command echo, the name of the variable MyVar and her value
Example : “\$MyVar ISEN”



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► Explain the result of the following script:

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#!/bin/bash
MyVar="I am a variable"
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- Write a script which sorts in alphabetical order all keyboard entries up to the JAIFINI string
- Write a script which asks the user's last name, first name and preferred color and which answers (for each information, a specific question must be asked):

Hello Mr. <NAME> <Firstname>. I agree with you. The color <COLOR> is a very nice color.

Scripting Base



Test

Write a script that indicates if the first argument is greater than the second.



Read

Write a script which asks the user for 2 numbers and tells the user if the first is greater than the second (obligation: read).



Algo



Calculator : case

Write a script that realizes a calculator. (obligation: case).



File Type : if/elif/else

Write a script to identify the type of file given in argument. (type = symbolic link/regular file/ directory/other; obligation : if/elif/else)



Backup : for/find

Write a script that creates a backup copy, suffixed by '-old', of all files in the folder given as argument. The backup should be recursive and only files. (obligation: for/find)



Game : while/read

Write a script that randomly chooses a number between 1 and 50. And asks the user to find it. With each proposal, indicate to the user if the number to find is higher/lower. (obligation : while/read)



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- ▶ Start the command `sleep 9999`. How to regain access to the console and quitting the process?



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- ▶ How do I know if the previous command still works?
- ▶ Start the command `sleep 9999`. How to regain access to the console and quitting the process?
- ▶ What is the solution to launch the command `sleep 9999` while immediately recovering control on the console but that the command continues to work.

