UNIVERSIDAD POLITÉCNICA DE QUINTANA ROO

Actividad: Tarea #989 - Room de Bash

SISTEMAS OPERATIVOS

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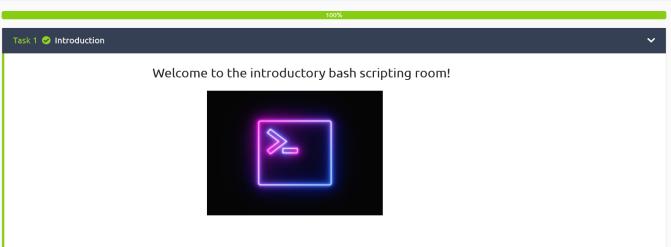












What is bash?

Bash is a scripting language that runs within the terminal on most <u>Linux</u> distros, as well as MacOS. Shell scripts are a sequence of bash commands within a file, combined together to achieve more complex tasks than simple one-liner and are especially useful when it comes to automating sysadmin tasks such as backups.

This is a few things among many that you will learn in this room:

- Bash syntax
- Variables
- Using parameters
- Arrays
- conditionals

Throughout this room feel free to work along with me! You can test out the commands shown or integrate them into your own projects, after all you learn by practicing and applying what you have learnt into your own scenarios. Make sure to spawn the tryhackme attackbox or use your own terminal.

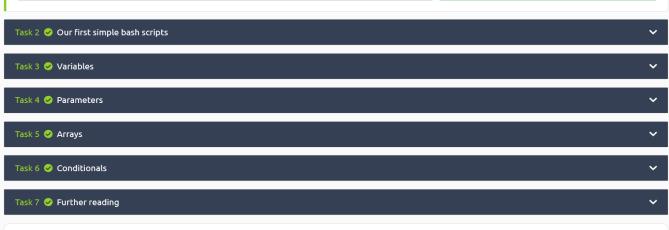
I found this website very useful when I was on my journey of learning bash, feel free to use it to help you through this room and for further learning after you finish! https://devhints.io/bash

Answer the questions below

Are you ready to go!

No answer needed

Correct Answer



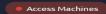
























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Ok now that we have had a brief introduction to what bash is and what it is used for let's jump right into some examples!

First of all let's lay out our structure.

Task 2 🤣 Our first simple bash scripts

A bash script always starts with the following line of code at the top of the script.



This is so your shell (whatever type of it) knows that it needs to run your file using bash in the terminal.

Lets get into some basic examples.



This will return the string "Hello World". The command "echo" is used to output text to the screen, the same way as "print" in python. I suggest you test this out in your terminal to get to grips with bash!

You can also perform normal <u>Linux</u> commands inside your bash script and it will be executed if formatted right. For example we can run the command " 📘 " inside our bash script and we will see the output when we run the file. So lets make it do this!



Now from here on I am going to assume that you have a basic understanding of Linux and its commands, if you don't please go make sure to check out the Linux fundamentals 1 and then come back and try again. https://tryhackme.com/room/linux

I'm also not going to include the #1/bin/bash at the start of my code snippets otherwise it will take up a lot of room so be aware that you need it always at the

Now to run our bash script we must first give it executable permissions

Chmod +x yourfile.sh

And then we run it using ./



Please run this for yourself and see what you get.

We can see it has outputted the results of the commands "whoami" and "id".

Answer the questions below

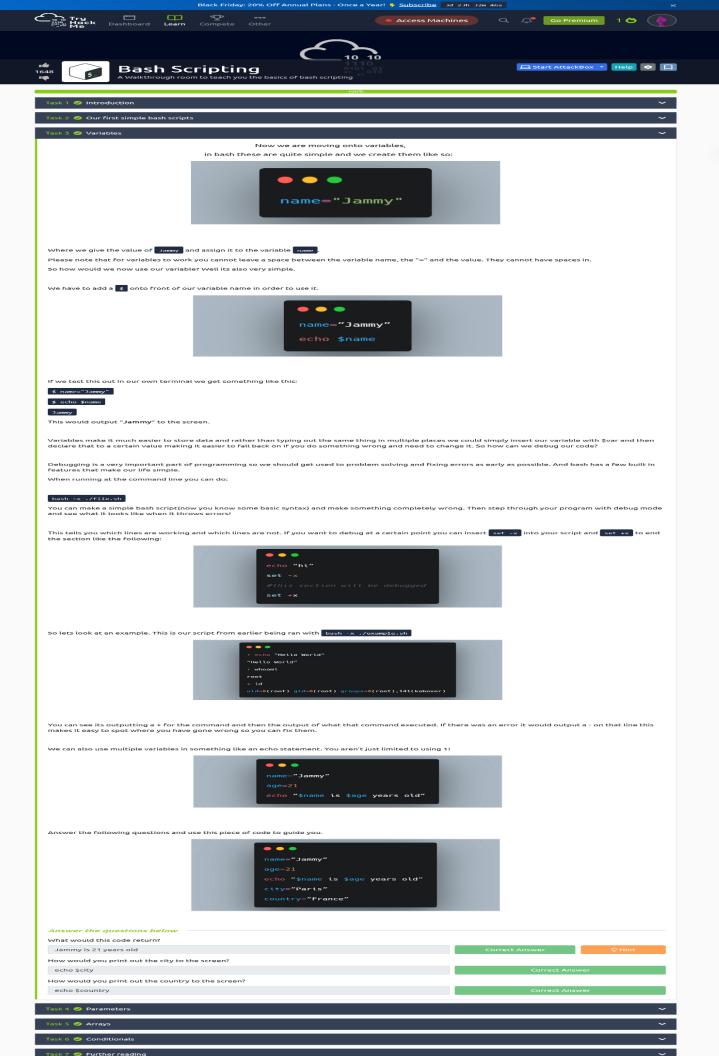
What piece of code can we insert at the start of a line to comment out our code?

What will the following script output to the screen, echo "BishBashBosh"

BishBashBosh

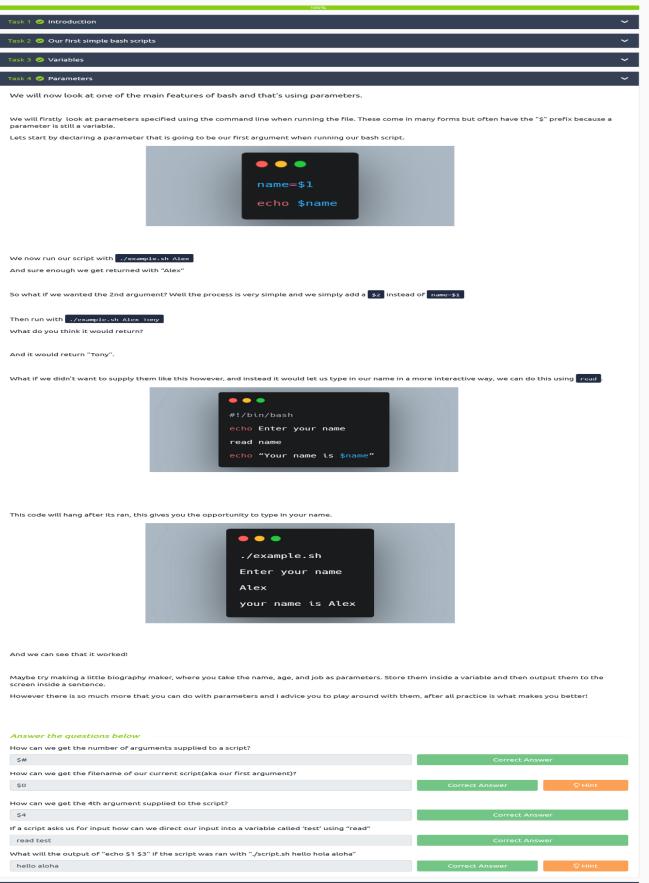
Task 3 🥝 Variables





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sk 6 🥯 Conditionals













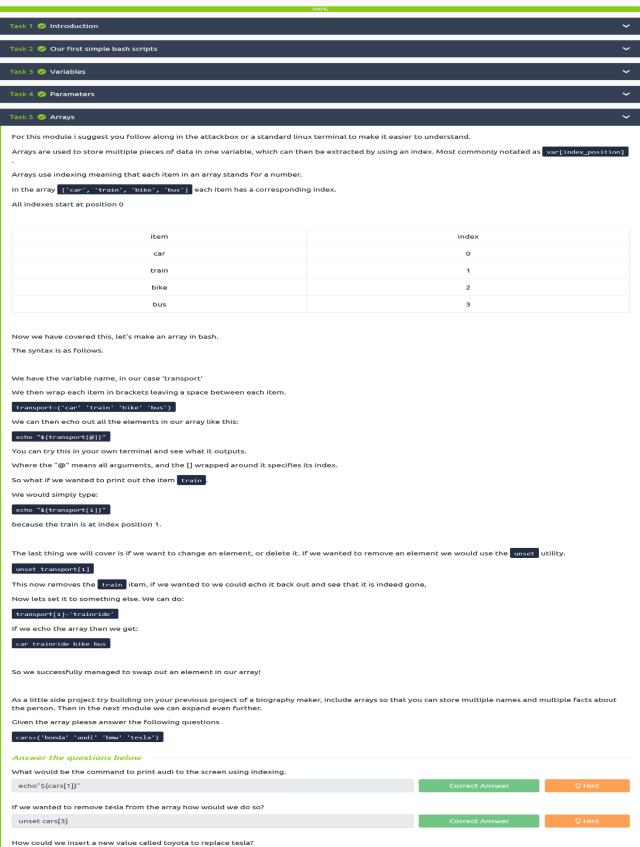








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Task 7 🤡 Further reading

Task 6 🥯 Conditionals

cars[3]='toyota'

