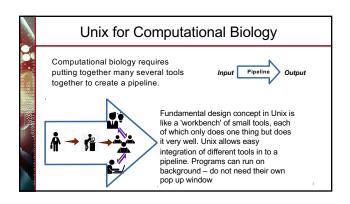


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Unix - Scripts

Unix can also be used as a programming language just like Python. Depending on what you want to do, a Unix script might solve all your problems and mean that you don't really need to learn Python at all.

So how do we make a Unix script (which are commonly called 'shell scripts')? At the simplest level, we just write one or more Unix commands to a file and then treat that file as if it was any other Unix command or program.

my first Unix shell script echo "Hello World"

Unix - Scripts

Advantages

- Easy to use.
- Quick start, and interactive debugging.
- Time Saving.
- Svs Admin task automation.
- Shell scripts can execute without any additional effort on nearly any modern Unix/Linux/BSD/Mac OS X operating system as they are written an interpreted language.

Disadvantages

- Compatibility problems between different platforms. Slow execution speed.
- A new process launched for almost every shell command executed.

Unix – Internal vs External commands

Internal Commands: Commands which are built into the shell. Fast execution as the shell doesn't have to search the excutable and also no process needs to be spawned for executing it. Examples: source, cd etc. You can get a list of internal commands by typing

External Commands: Commands which aren't built into the shell. Shell looks for the executable in directories in PATH variable and also a new process has to be spawned and the command gets executed. They are usually located in /bin or /usr/bin. Examples: Is, mv, cp etc. You can find out whether a specific command is internal or external by typing

execution speed not much different to a user

| _ | |
|--------|--|
| | Unix – First script |
| | Let us write our first script. |
| 10,010 | When executing the script we will need to change permission of the script file using command "chmod" so that it can be executed. |
| | First hands on exercise - handson unix II 1.sh |
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| OXOY | |
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