



C Piscine

Day 00

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Summary: This document is the subject for Day00 of the C Piscine @ 42.

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Chapter II

Foreword

Here are the lyrics for City Hunter's theme song "Moonlight Shadow":

The last time ever she saw him
Carried away by a moonlight shadow
He passed on worried and warning
Carried away by a moonlight shadow.
Lost in a riddle that Saturday night
Far away on the other side.
He was caught in the middle of a desperate fight
And she couldn't find how to push through

The trees that whisper in the evening
Carried away by a moonlight shadow
Sing a song of sorrow and grieving
Carried away by a moonlight shadow
All she saw was a silhouette of a gun
Far away on the other side.
He was shot six times by a man on the run
And she couldn't find how to push through

[Chorus]
I stay, I pray
See you in Heaven far away...
I stay, I pray
See you in Heaven one day.

Four A.M. in the morning
Carried away by a moonlight shadow
I watched your vision forming
Carried away by a moonlight shadow
A star was glowing in the silvery night
Far away on the other side
Will you come to talk to me this night
But she couldn't find how to push through


[Chorus]

Far away on the other side.
Caught in the middle of a hundred and five
The night was heavy and the air was alive
But she couldn't find how to push through
Carried away by a moonlight shadow
Carried away by a moonlight shadow
Far away on the other side.

Unfortunately, this topic has nothing to do with City Hunter.

Chapter IV

Exercise 01 : testDay00

	Exercise 01
What are attributes anyway ?	
Turn-in directory : <i>ex01/</i>	
Files to turn in : testDay00.tar	
Allowed functions : None	
Notes : n/a	

- Create a file called **testDay00** in your submission directory.
- Figure out a way for the output to look like this (except for the “total 1” line):

```
$> ls -l
total 1
-r--r-xr-x  1 login  wheel  40 Jun  1 23:42 testDay00
$>
```

- Once you’ve achieved the previous steps, execute the following command to create the file to be submitted: **tar -cf testDay00.tar testDay00.**




"login" and "wheel" will be respectively replaced by your login and your group.



A year will be accepted instead of the time, on the timestamp of the file.

Chapter V

Exercise 02 : Oh yeah, mooore...

	Exercise 02
Oh yeah, mooore...	
Turn-in directory : <i>ex02/</i>	
Files to turn in : exo2.tar	
Allowed functions : None	
Notes : n/a	

- Create the following files and directories. Do what's necessary so that when you use the `ls -l` command in your directory, the output will look like this :

```
$> ls -l
total 42
drwx--xr-x  2 login  wheel  XX Jun  1 20:47 test0
-rwx--xr--  1 login  wheel   4 Jun  1 21:46 test1
dr-x---r--  2 login  wheel  XX Jun  1 22:45 test2
-r-----r-- 2 login  wheel   1 Jun  1 23:44 test3
-rw-r----- 1 login  wheel   2 Jun  1 23:43 test4
-r-----r-- 2 login  wheel   1 Jun  1 23:44 test5
lrwxr-xr-x  1 login  wheel   5 Jun  1 22:20 test6 -> test0
$>
```


- Once you've done that, run `tar -cf exo2.tar *` to create the file to be submitted.



"login" & "wheel" will respectively be replaced by your login and your group.

Chapter X

Exercise 07 : midLS

	Exercise 07
midLS	
Turn-in directory : <i>ex07/</i>	
Files to turn in : midLS	
Allowed functions : None	
Notes : n/a	

- In a **midLS** file, place the command line that will list all files and directories in your current directory (except for hidden files or any file that starts by a dot - yes, that includes double-dots), separated by a comma, by order of creation date. Make sure directories' names are followed by a slash character.




What has not been asked for should not be done!



RTFM!

Chapter XI

Exercise 08 : Z


	Exercise 08
Only the best know how to display Z	
Turn-in directory : <i>ex08/</i>	
Files to turn in : z	
Allowed functions : None	
Notes : n/a	

- Create a file called **z** that returns "Z", followed by a new line, whenever the command **cat** is used on it.

```
?>cat z
Z
?>
```


Chapter XII

Exercise 09 : diff

	Exercise 09
Turn-in directory : <i>ex09/</i>	
Files to turn in : b	
Allowed functions : None	
Notes : n/a	

- Create a file **b**, so that :

```
%>cat -e a
STARWARS$
Episode IV, A NEW HOPE It is a period of civil war.$
$
Rebel spaceships, striking from a hidden base, have won their first victory against the evil
Galactic Empire.$
During the battle, Rebel spies managed to steal secret plans to the Empire's ultimate weapon, the
DEATH STAR,$
an armored space station with enough power to destroy an entire planet.$
$
Pursued by the Empire's sinister agents, Princess Leia races home aboard her starship, custodian of
the stolen plans that can save her people and restore freedom to the galaxy...$
$
```


```
%>diff a b > sw.diff
```



man patch

Chapter XIII

Exercise 10 : clean

	Exercise 10
Turn-in directory : <i>ex10/</i>	
Files to turn in : clean	
Allowed functions : None	
Notes : n/a	


- In a file called **clean** place the command line that will search for all files - in the current directory as well as in its sub-directories - with a name ending by ~, or a name that starts and ends by #.
- The command line will show and erase all files found.
- Only one command is allowed: no ';' or '&&' or other shenanigans.



`man find`

Chapter XIV

Exercise 11 : Illusions, not tricks, Michael...

	Exercise 11
Illusions, not tricks, Michael...	
Turn-in directory : <i>ex11/</i>	
Files to turn in : ft_magic	
Allowed functions : None	
Notes : n/a	

- Create a magic file called **ft_magic** that will be formatted appropriately to detect files of **42 file** type, built with a "42" string at the 42nd byte.



man file