



C Piscine

Day 00

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

- By Odin, by Thor! Use your brain!!!



The time and date displayed on the intra indicate the deadline for your submission. Past that deadline, you won't be able to hand in anything more. These time and date also indicate the start of the peer-evaluation period for the corresponding C Piscine date. This peer-evaluation period lasts exactly 24hrs. Once those 24hrs are up, your missing peer-grading will become 0s and you'll receive Moulinette's grade.

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 : <code>ft_magic</code>	
Allowed functions : <code>None</code>	
Notes : <code>n/a</code>	

- 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