

Piscine Discovery Administration guide

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 $Summary: \ \ Administrator's \ Guide \ for \ the \ discovery' piscine.$

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Chapter I Introduction

Basic explanation of cells:

- Cell 0 shell: Discovering the shell.
- Cell 1 Web: Discovering the web with basic tags.
- Cell 2 Web: Discovering the web with css.
- Cell 3 Web: Discovering the web with JS.
- Rush: Use of the concepts learned during the week.

Chapter II General guideline

Here is the list of mandatory exercises per day:

- Cell 0 shell: Exercice 00, 01.
- Cell 1 Web: Exercice 00, 01, 02, 03, 04, 05.
- Cell 2 Web: Exercice 00.
- Cell 3 Web: Exercice 00, 01.
- Rush.

Chapter III Typical day

First day:

Hours	Activities	
8h00 - 9h00	Presentation of the pool in group.	
9h00 - 10h00	Project of the day.	
10h00 - 10h30	Exchange between supervisors	
	and students in a group format.	
10h30 - 12h00	Project of the day.	
12h00 - 13h00	Food break.	
13h00 - 15h00	Project of the day.	
15h00 - 16h00	Mandatory evaluation with the	
/	help of the supervisors.	
16h00 - 18h00	Project of the day.	

The Discovery's ession should begin with a group presentation with an explanation of how the Discovery' pool works.

A short presentation of the staff is optional but highly recommended.

An explanation of the program of the days of the Discovery'pool is expected here.

During the first days, do not hesitate to come and help the lost students.

The moment of exchange during the day allows to bring help to the students between them in priority.

A supervisor will be present to facilitate the exchange.

Last day:

Hours	Activities	
9h00 - 9h30	Presentation of the rush	
9h30 - 10h30 Project of the day.		
10h30 - 11h00	Exchange between supervisors	
	and students in a group format.	
11h00 - 12h00	Rush	
12h00 - 13h00	Food break.	
13h00 - 15h00	Rush	
15h00 - 16h00	Mandatory evaluation with the	
	help of the supervisors.	
16h00 - 17h00	End of pool.	

This last day should be a Discovery'pool closing day.

Students will be able to continue past days but it will be important to make it clear that this day is for group rush.

A group presentation is expected at the beginning of this day.

It will be important to explain the purpose of the rush and not to hesitate to help the students during this day.

The rush is intended to be done as a group, but technically can be done alone.

You will have to be careful not to leave any student behind. The last moment to discuss the whole Discovery'pool will be at the end of the day.

We can imagine a lot of things like the presentation of the best rush or others.

You should not hesitate to listen to the things that worked or didn't work during this pool in order to improve the next Discovery'pools.

Classic day:

Hours	Activities
8h00:10h00	Project of the day.
10h00:10h30	Exchange between supervisors
	and students in a group format.
10h30:12h00	Project of the day.
12h00:13h00	Food break.
13h00:15h00	Project of the day.
15h00:16h00	Mandatory evaluation with the
	help of the supervisors.
16h00:18h00	Project of the day.

Chapter IV

cellule 0: Shell

	Exercise 00	
/	The basic	
Turn-in directory : $ex00/$		
Files to turn in:		
Allowed functions : None		

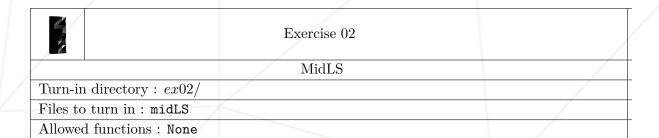
Solution:

> mkdir -p ~/discovery_piscine/cell00/ex00

	Exercise 01	
/	Z	
Turn-in directory : $ex01/$		
Files to turn in : z	*	/
Allowed functions: None		

Solution:

> echo "Z" > ~/discovery_piscine/cell00/ex01/z



Solution:

> echo 'ls --format=across -p --format=commas' > ~/discovery_piscine/cell00/ex02/midLS

/		
	Exercise 03	
	Count_files	
Turn-in directory : $ex05$	3/	
Files to turn in : count	_files.sh	
Allowed functions: Non	e	

Solution:

```
> echo 'ls -la | tail -n +4 | wc -l' > ~/discovery\_piscine/cell00/ex03/count\_files.sh
```

	Exercise 04	
	Argv	/
Turn-in directory : $ex04/$		/
Files to turn in : argv.sh		
Allowed functions : None		/

```
> cat ~/discovery\_piscine/cell00/ex04/argv.sh
#!/bin/bash
if [ "$#" -eq "0" ]; then
   echo "No arguments supplied"
else
   for file in "$@"; do echo $file; done
fi
```

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Exercise 05

Build

Turn-in directory: ex05/Files to turn in: build.sh

Allowed functions: None

```
> cat ~/discovery\_piscine/cell00/ex05/build.sh
#!/bin/bash
dir=$(pwd)
if [ "$#" -eq "0" ]; then
  echo "No arguments supplied"
else
  for file in "$0"; do params+=( "$dir/ex$file" ); done
  mkdir -p "${params[0]}"
fi
```

Chapter V

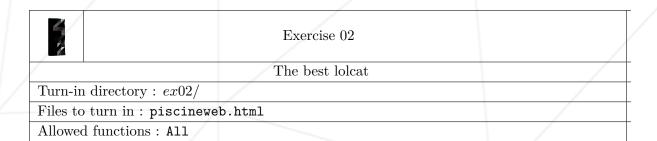
cellule 1: Web basic

	Exercise 00	
/	Hello World	
Turn-in directory : $ex00/$		
Files to turn in : helloworl	d.html	
Allowed functions: None		

Solution:

4		Exercise 01	
	/	Title	
Turn-in	directory: $ex01/$		
Files to	turn in : piscinewe	b.html	X
Allowed	functions: Toutes		

```
> cat ~/discovery\_piscine/cell01/ex01/piscineweb.html
[...]
<body>
    <h1 style="text-align: center;"><strong>Piscine Web</strong></h1>
</body>
[...]
```



Add the previous page in the body by modifying the PATH:

Exercise 03	
We go for a walk	
Turn-in directory : $ex03/$	/
Files to turn in : piscineweb.html	/
Allowed functions: Toutes	/

Add to the previous page in the <a> tags on the first image:



Exercise 04

B.A.BA or home

Turn-in directory: ex04/Files to turn in: baba.html Allowed functions: None

Solution:

```
> cat ~/discovery\_piscine/cell01/ex04/baba.html
<html>
 <head>
   <title>B.A.BA</title>
   <meta charset="utf-8">
 </head>
 <body style="background-color:pink">
   <h1 style="color:white;margin-left:50%;">
    Ceci est un accent é
   <img src="PATH" alt="TITLE" style="margin-left:52%">
   <img src="PATH" alt="TITLE">
   <div style="margin-left:52%; height:50px; width=50px">
     <a href="http://www.amazon.fr" style="float:left;">TITLE</a>
     <a href="http://www.ebay.fr" style="margin-left:50px">TITLE</a>
   </div>
   <br>>
   <hr>>
   <div style="float:right">
    © wil 2021
   </div>
 </body>
 </html>
```

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Exercise 05

Tab

Turn-in directory: ex05/Files to turn in: tab.html Allowed functions: None

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Exercise 06

Responsive

Turn-in directory : ex06/

Files to turn in : responsive.html

Allowed functions : n/a

Solution simply add this style::

```
> cat ~/discovery\_piscine/cell01/ex06/responsive.html
<style>
[...]
table { width: 100%; height: 100%;}
[...]
</style>
```

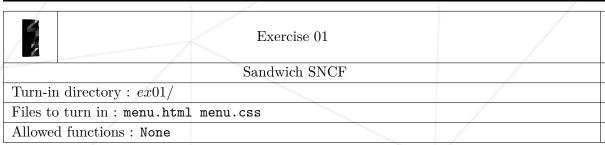
Chapter VI

cellule 2: Web CSS

	Exercise 00	
/	Responsive improved	
Turn-in directory : $ex00$	/	
Files to turn in : responsive.html responsive.css		
Allowed functions: None		

Simply split solution with this style:

```
> cat ~/discovery\_piscine/cell02/ex00/responsive.css
[...]
table { width: 100%; height: 100%;}
[...]
</style>
> cat ~/discovery\_piscine/cell02/ex00/responsive.html | grep link
<link rel="stylesheet" href="responsive.css" />
```



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Exercise 02

Parallax

Turn-in directory : ex02/

Files to turn in : parallax.html parallax.css

Allowed functions: None

Solution in resources.



Exercise 03

User profile card

Turn-in directory : ex03/

Files to turn in: card.html, card.css

Allowed functions: None

Chapter VII

cellule 3: Web JS

```
> cat ~/discovery\_piscine/cell03/ex00/background.html
[...]
<button onclick="document.body.style.backgroundColor = '#'+
(Math.floor(Math.random()*999))">Click me!</button>
[...]
```

	Exercise 01	
/	Explode this balloon	
Turn-in directory : $ex01/$		

Files to turn in: balloon.html
Allowed functions: HTML, CSS, JS

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Electric Section 1	
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Exercise 02

Its over 9000

Turn-in directory : ex02/Files to turn in : calc.html

Allowed functions: HTML, CSS, JS

Solution in resources.



Exercise 03

To do or not to do

Turn-in directory : ex03/

Files to turn in: index.html, todo.js

Allowed functions: HTML, CSS, JS

Solution in resources.



Exercise 04

If jQuery, I'm going too

Turn-in directory : ex04/

Files to turn in: Same files as the respective exercises

Allowed functions: HTML, CSS, jQuery