

Piscine Discovery Administration guide

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Summary: Guide for the administrators of the Discovery Piscine.

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Chapter I

Overview

Cells overview:

- Cell 0 shell: Discover the shell.
- Cell 1 Web: Discover web development with basic tags.
- Cell 2 Web: Discover web development with CSS.
- Cell 3 Web: Discover web development with Javascript.
- Rush: Put into practice the concepts learned during the week.

Chapter II General guidelines

Below is the list of the exercises which are mandatory for each day:

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

Chapter III Typical 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	Lunch break		
13h00 - 15h00 Project of the day			
15h00 - 16h00	Mandatory evaluation with the		
	help of the supervisors		
16h00 - 18h00	Project of the day		



Ideally, the students of the campus could help the Discovery Piscine' students.



Please give the Discovery Piscine's students some advice about using a text editor such as Vim.

Chapter IV First day

Hours	Activities		
8h00 - 9h00	Presentation of the Piscine in		
	group format		
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	Lunch 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 session should begin with a group presentation including an explanation of how the Discovery Piscine works.

Introducing the staff members to the students is optional but highly recommended. Explaining the curriculum of the Discovery Piscine days is expected. During the first days, do not hesitate to help the students who struggle with the exercises.

The daily moment of exchange allows the students to seek for help, between them in priority. A supervisor will be there to facilitate the exchange.

Chapter V

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	Lunch break	
13h00 - 15h00	Rush	
15h00 - 16h00	Mandatory evaluation with the	
	help of the supervisors	
16h00 - 17h00	End of the Piscine	

This last day should be the Discovery Piscine closing day.

Students will be able to continue past days. However, it will be important to make it clear that this day is dedicated to doing the group Rush.

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

It will be important to explain the purpose of the Rush to the students. Also, do not hesitate to help the students during this day.

The Rush is intended to be done as a group, but technically can be done on their own too.

You will have to be careful not to leave any student behind.

The last moment to discuss the whole Discovery Piscine will be at the end of the day. We can imagine some animations, like the presentation of the best Rush to other students, and so forth.

You should not hesitate to listen and take note of the things that worked or didn't work, in order to improve the next Discovery Piscines.

Chapter VI

Cell 0: Shell

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

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Exercise 02

midLS

Turn-in directory: ex02/Files to turn in: midLS
Allowed functions: None

Solution:

 $\verb|> echo 'ls --format=across -p --format=commas' > \verb|-/discovery\piscine/cell00/ex02/midLS| \\$



Exercise 03

 $Count_files$

Turn-in directory : ex03/

Files to turn in : count_files.sh

Allowed functions: None

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
```

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Exercise 05

Build

Turn-in directory: ex05/Files to turn in: build.sh Allowed functions: None

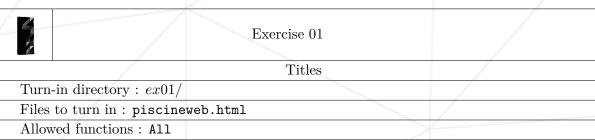
```
> cat ~/discovery\_piscine/cell00/ex05/build.sh
#!/bin/bash
dir=$(pwd)
if [ "$#" -eq "0" ]; then
   echo "No arguments supplied"
else
   for file in "$@"; do params+=( "$dir/ex$file" ); done
   mkdir -p "${params[@]}"
fi
```

Chapter VII

Cell 1: Web basics

	Exercise 00	
/	Hello World!	
Turn-in directory:	ex00/	
Files to turn in : he	lloworld.html	
Allowed functions:	None	

Solution:



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



Exercise 02

The best lolcat

Turn-in directory : ex02/

Files to turn in : piscineweb.html

Allowed functions: All

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: All

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
 </h1>
 <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>
```



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

The solution is to simply add this style:

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

Chapter VIII

Cell 2: Web CSS

	Exercise 00	
/	Responsive improved	
Turn-in directory : e	x00/	
Files to turn in : res	ponsive.html, responsive.css	
Allowed functions: A	lone	

Simple split using 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" />
```

4		Exercise 01	
		Sandwich SNCF	
Turn	-in directory : $ex01/$		
Files	to turn in : menu.htm	l, menu.css	
Allov	ved functions : None		

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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

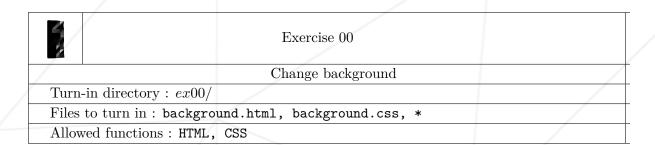
Turn-in directory : ex03/

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

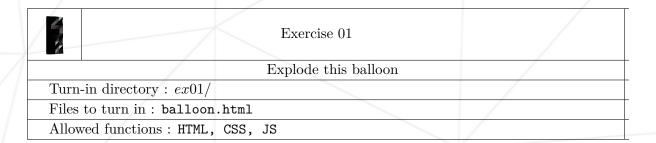
Allowed functions: None

Chapter IX

Cell 3: Web JS



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



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	Exercise 02	
	Its over 9000	
Turn-in directory : $ex02/$		
Files to turn in : calc.html		
Allowed functions : HTML CSS IS		

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	1 /

Solution in resources.

	Exercise 04	
/	If jQuery, I'm going too	
Turn-in directory	y: ex04/	
Files to turn in:	Same files as the respective exercises	
Allowed function	s: HTML, CSS, jQuery	