

C2- S2 - PRACTICE

EXERCISE 1 – COUNTRIES

A country is described by

- Its name
- Its population (in millions)
- The capital name
- The currency (dollar, riel..)

Q1 Create a class **Country** with all the required attributes

Q2 Create 3 countries, following this table:

Name	Population	Capital	currency
France	70	Paris	Euro
Cambodia	17	Phnom Penh	Riel
UK	80	London	Pound

Q3 Inside the class Country, create a method which return information about the country:

- `getInformation() : string`

For example, for France country this method shall return:

Welcome to **France**, **70** millions people, cpital **Paris** and currency **Euro**!

EXERCISE 2 – ALUMNI SALARY

We want to compute the salaries of fresh WEP alumni.

Note : this is not real word, just for fun for this practice !

WEP alumni can have different salaries, depending on their :

- Experience in **VueJS** (number of years)
- Experience in **NodeJS** (number of years)
- If they can code or not using **OOP**

Eperience in VueJS	Eperience in Node JS	Can code OOP	SALARY
Less than a year	Less than a year	no	250
more than a year	Less than a year	no	350
more than a year	more than a year	no	450
more than a year	more than a year	yes	700

Q1 Create a class **WepAlumni** with all the required attributes to compute salary

Q2 Inside this class, create a method to compute the salary of the alumni: this function should return the **appropriate salary**, based on the criteria specified above.

getSalary() : number

Q3 Test you code by **creating different alumni** and **check their returned salary**

Alumni profile	Salary
0.5 year experience in VueJS 0.5 year experience in NodeJS Can code in OOP	250
1 year experience in VueJS 0.5 year experience in NodeJS Can code in OOP	350

2 year experience in VueJS 2 year experience in VueJS Cannot code in OOP	450
2 year experience in VueJS 2 year experience in VueJS Can code in OOP	700