

# Python Course

## Subject: Working with files

### Exercise1: As an Excel file

*Introduction: We will recreate a functionality of an excel file*

- 1) Create a new project called **MyExcelCelebrities** with 3 files:
- 2) Create a **celebrities.txt** file. It will contain first names and last names of celebrities.  
Fill it with 2 celebrities
- 3) Create an empty **email.txt** file
- 4) Inside a file called **excel\_celebrities.py**, create a class called **ExcelCelebrities** with functions:

1. **init()** will open the *celebrities.txt* file, then push all the information into a list.  
Then push the first names into a list and the last names into another one.

Example:

```
celebrities = ["Albert Einstein", "Edit Piaf"]
```

```
first_name = ["Albert", "Edith"]
```

```
last_names = ["Einstein", "Piaf"]
```

2. **addCelebrities(first\_name, last\_name)** will add (without overwriting) the first name and last name of a celebrity into the *celebrities.txt* file, only if the new celebrity doesn't already exists.

3. **clearCelebrities()** will remove all the celebrities.

4. **overwriteCelebrities(first\_name, last\_name)** will overwrite the whole file in order to add a completely new celebrity

5. **addCelebrityEmail()** will add into the *email.txt* file, the emails of all the celebrities

Example: albert.enstein@gmail.com , edith.piaf@gmail.com

6. **readCelebrityEmail()** asks the user if he wants to send a grouped email to all of the celebrities.

- If the answer is yes, ask him which message he wants to send, and render it.  
Like this:

```
Do you want to send a grouped email ?yes
```

```
Write the message:You are invited to my afterwork party !!! :) :)
```

```
This message: You are invited to my afterwork party !!! :) :)
```

```
will be send to :
```

```
albert.einstein@gmail.com , edith.piaf@gmail.com
```