



## Lab2

Create a small application that can register users data in a file and list them user the CLI.

- **Person Class**

- **attributes:** **name**
- **Instance methods:**
  - **valid\_name?()** : returns true if the name consist only of alphabetic characters

- **Contactable Module**

- **Instance methods:**
  - **contact\_details()** : returns string concatenating the user's email and mobile number ex. ("salma@email.com | 01111111111")

- **User Class**

- **attributes:** **email, mobile**
- **Instance methods:**
  - **create()** : store user's data. If the user registered successfully then return the registered user object, otherwise return false.
- **Class methods:**
  - **valid\_mobile?()** : returns true if the mobile consists only of 11 digits starting with zero.
  - **list()** : lists all registered users. Use the Contactable module's contact\_details() method to display contacts.
  - **list(n)** : lists the first n registered users data. Use the Contactable module's contact\_details() method to display contacts.

- User class inherits Person class.
- The User class uses the Contactable module.
- On creating a new user, if the user's data is invalid, don't store it in the file and print a descriptive validation error message. Otherwise, store the user's data to the file and display a success message.



## Possible Scenarios:

Success registration	Invalid registration
<pre>~\$ ruby register.rb Name: Salma Negm Email: salma@email.com Mobile: 01111111111 Welcome, Salma Negm</pre>	<pre>~\$ ruby register.rb Name: Salma Negm Email: salma@email.com Mobile: 0111111111a Sorry, Mobile number is invalid</pre>
List all users	
<pre>~\$ ruby list.rb Enter (*) to list all registered users or the number of users you would like to list: * Salma Negm: salma @email.com   01111111111 Youssef Emam: jo@email.com   02222222222 Sara Ibrahim: sara@email.com   03333333333</pre>	
List first n users	
<pre>~\$ ruby list.rb Enter (*) to list all registered users or the number of users you would like to list: 2 Salma Negm: salma @email.com   01111111111 Youssef Emam: jo@email.com   02222222222</pre>	

