

## Integration Engineer Coding Challenge

### Challenge

API: [https://www.senate.gov/general/contact\\_information/senators\\_cfm.xml](https://www.senate.gov/general/contact_information/senators_cfm.xml)

Using the following API, choose any web programming language that you prefer and perform the following tasks:

1. **Retrieve the contents of the contact list from the API in the raw XML format.**
2. **For the data contained inside the *Member* fields in the XML file, convert the data into the JSON format listed below.**

```
{
  "firstName": "First",
  "lastName": "Last",
  "fullName": "First Last",
  "chartId": ":Contents of bioguide_id:",
  "mobile": "Phone",
  "address": [
    {
      "street": "123 Main Street",
      "city": "Orlando",
      "state": "FL",
      "postal": 32825
    }
  ]
}
```

3. **Print the converted data**
  - a. This should be completed once all of the data has been converted.
  - b. Use the standard functionality for the language to accomplish this. I.e. `console.log()` for Javascript etc...
4. **Please create a public repository on GitHub and make sure the README has clear instructions on how to install any included packages and run the application.**



Please spend no more than 4 hours on this. It's ok if you do not finish, we don't want you to spend an inordinate amount of time on it since this is just an interview exercise, not a paid project.

