▾ Из xml в json

```
pip install xmltodict
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/
Collecting xmltodict
  Downloading xmltodict-0.13.0-py2.py3-none-any.whl (10.0 kB)
Installing collected packages: xmltodict
Successfully installed xmltodict-0.13.0
```

```python
import xmltodict, json
```

```python
with open('data.xml', 'r', encoding='utf-8') as myfile:
  data = xmltodict.parse(myfile.read())
```

```python
with open('data.json', 'w') as file:
  json.dump(data, file, indent=2, ensure_ascii=False)
```

▾ Из xml в cvs

```python
 import xmltodict, csv
```

```python
with open('data.xml', 'r', encoding='utf-8') as myfile:
  data = xmltodict.parse(myfile.read())
```

```python
csvfile=open('data.csv', 'w', encoding='utf-8')
csv_writer=csv.writer(csvfile)

csv_writer.writerow(['id', 'year', 'title', 'director'])
for movie in data['movies']['movie']:
  id = movie['@id']
  year = movie['@year']
  title = movie['title']
  directorfirst = movie['director']['firstname']
  directorlast = movie['director']['lastname']
  director = directorfirst + ' ' + directorlast

  csvline = [id, year, title, director]
  csv_writer.writerow(csvline)
```