


Sample xml file:

Open data.xml

data.xml xabs.xml x

Save 

```
<?xml version="1.0"?>
<data>
  <country name="Liechtenstein">
    <rank>1</rank>
    <year>2008</year>
    <gdppc>141100</gdppc>
    <neighbor name="Austria" direction="E"/>
  </country>
  <country name="Singapore">
    <rank>4</rank>
    <year>2011</year>
    <gdppc>59900</gdppc>
    <neighbor name="Malaysia" direction="N"/>
  </country>
  <country name="Panama">
    <rank>68</rank>
    <year>2011</year>
    <gdppc>13600</gdppc>
    <neighbor name="Costa Rica" direction="W"/>
    <neighbor name="Colombia" direction="E"/>
  </country>
</data>
```

XML Tab Width: 8 Ln 7, Col 49 INS

Python code to Parse xml file and create tex file

xml_extracr example.py

example.py extract_xml.py data.xml x

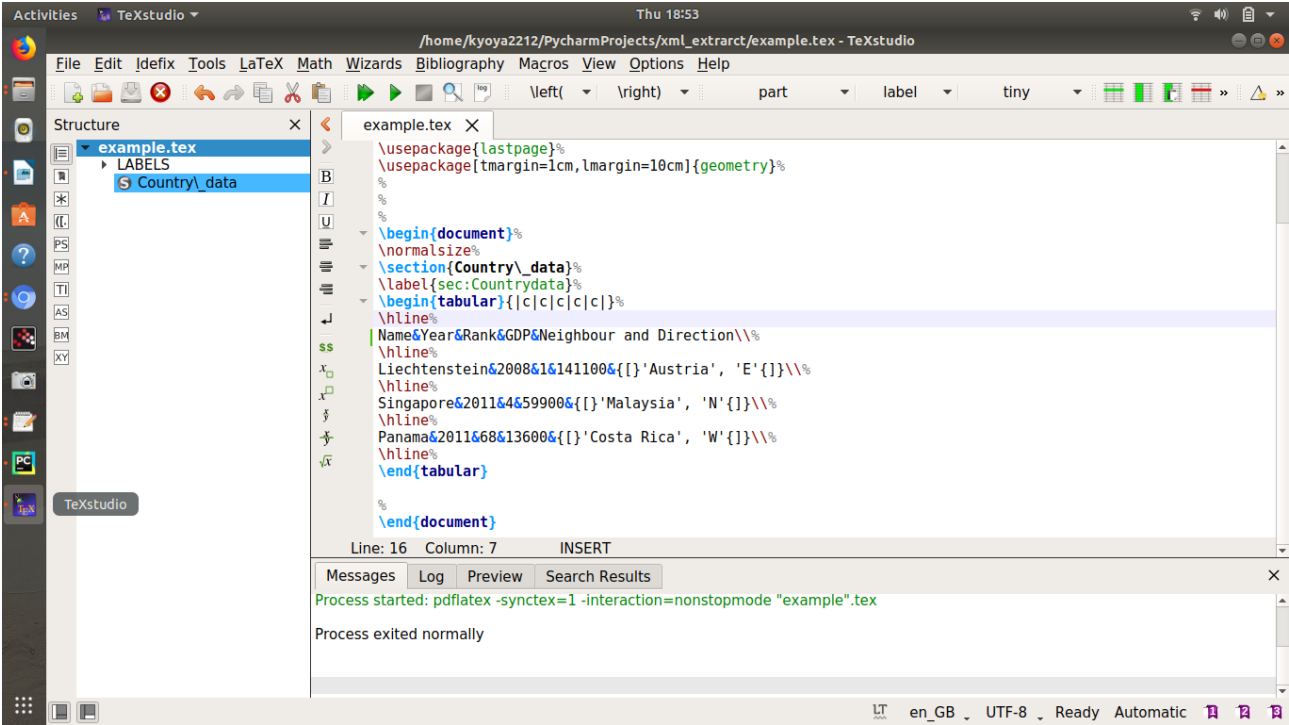
extract_xml

```
1 import xml.etree.ElementTree as ET
2 import numpy as np
3 from pylatex import Document, Section, Subsection, Tabular
4 import os
5 if __name__ == '__main__':
6     image_filename = os.path.join(os.path.dirname(__file__),
7     geometry_options = {'margin': '1cm', 'margin': '10cm'}
8     doc = Document(geometry_options=geometry_options)
9     tree = ET.parse('/home/kyoya2212/data.xml')
10    root = tree.getroot()
11    name=[]
12    for country in root.findall('country'):
13        name1 = country.get('name')
14        name.append(name1)
15    list2 = []
16    for neighbor in root.iter('neighbor'):
17        list2.append(list(neighbor.attrib.values()))
18
19    with doc.create(Section('Country data')):
20        with doc.create(Tabular('c|c|c|c|c')) as table:
21            table.add_hline()
22            table.add_row(['Name','Year','Rank','GDP','Neighbour and Direction'])
23            table.add_hline()
24            table.add_row([name[0],root[0][1].text,root[0][0].text,root[0][2].text,list2[0]])
25            table.add_hline()
26            table.add_row([name[1],root[1][1].text,root[1][0].text,root[1][2].text,list2[1]])
27            table.add_hline()
28            table.add_row([name[2],root[2][1].text,root[2][0].text,root[2][2].text,list2[2]])
29            table.add_hline()
30    doc.generate_pdf('example', clean_tex=False)
31
32
33
34
35 if __name__ == '__main__'
```

Python Console Terminal Run Debug TODO Event Log

Python Debugger Extension Available: Cython extension speeds up Python debugging // Install How d... (today 5:26 PM) 8:54 LF UTF-8 Python 3.6

tex file generated



visual format:

1 Country_data

Name	Year	Rank	GDP	Neighbour and Direction
Liechtenstein	2008	1	141100	['Austria', 'E']
Singapore	2011	4	59900	['Malaysia', 'N']
Panama	2011	68	13600	['Costa Rica', 'W']