

Weather client using XML.

- This application is developed using developed on the integrated development environment Pycharm, in Python 2.7 (r27:82525, Jul 4 2010, 07:43:08) [MSC v.1500 64 bit (AMD64)] on win32

The Modules for this application that need to be installed are

- Pip install requests
 - Install requests (Security)
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- Once all the modules are been installed we can run this application through the Python Idle or through command prompt or through Python terminal.
 - The soap request is been sent using request. Post method of the python request library.
 - The response that is been received is in XML format.
 - The name of the file is Weather_report_client.py.

Challenges faced while creating this application:- When the SOAP request was sent to the NDFD soap servers, the response that got back in xml was not in proper xml format. The tags "<, >" got changed to "<, >" and """ into """. To overcome this challenge I have used saxutils library to un-escape the data coming as a response.

References :

The entire application is developed independently, however I have taken some references to from following links understand and clear some doubts.

Endpoint link:-https://graphical.weather.gov:443/xml/SOAP_server/ndfdXMLserver.php

Link:- <http://stackoverflow.com/questions/18175489/python-soap-using-requests>

Link :- https://graphical.weather.gov/xml/docs/SOAP_Requests/NDFDgen.xml

