**Python Json To Xml Conversion**

1. **Install the required Libraries and tools**

* Install - python latest version based on your OS
* Can use the python IDLE , VS CODE for compilation

1. **Import Necessary libraries and modules**

* import json ( avaScript Object Notation, is a text-based format for storing and exchanging data that is both human-readable and machine-parsable )
* import xml.etree.ElementTree as ET ( xml.etree.ElementTree is a package that allows users to create, modify, and parse XML documents. )

1. **Create a function “ json\_to\_xml(json\_obj, root=None) “**

* The function taking the 2 parameters that consists of json\_obj and initially root as None
* If root is none then the element of Element Tree ( ET ) is “Object”
* Now considering the each datatype of Json as an Instance
* The data types are :

1. Numbers
2. Strings
3. Array
4. Dictionary
5. Boolean
6. Null
7. Object

* For every instance we may have nested elements and data so using for loop and ET.SubElement parser we recursively pass the data and find the each and every tag and their attributes
* obj = ET.SubElement(root, "Tag") , Where Tag can be any of the datatype
* json\_to\_xml ( value , obj )

1. **Create a function “convert\_json\_to\_xml(json\_file, xml\_file):**

* This function takes the 2 arguments that path of the “Json file and Xml file”
* Open the Json file with “with open method “ in “readmode “ and load the data to the Json\_obj and initialize root and tree parser
* json\_obj = json.load(f)

root = json\_to\_xml(json\_obj)

tree = ET.ElementTree(root)

tree.write(xml\_file)

1. **Create a variable to take the Json file path**

* json\_file = input("Give the ( Json File Path ) :: ")

1. **Call The function “** convert\_json\_to\_xml(json\_file, 'Output\_Xml\_file.xml') **“**
2. Run The Code and u can see in command prompt and give path as below

**Give the ( Json File Path ) ::** D:\Downloads\Json\_To\_Xml\json\_file.json

1. It will Automatically create the Xml file with the name “ Output\_Xml\_file.xml ”