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def parse_root(reference_uri, xml_file):
    i = 0
    tree = et.parse(xml_file)
    root = tree.getroot()
    for item in root.findall('.//
artworkContentGraphicElement'):
        print(len(root))
        if 'artworkContentGraphicElement' in item.tag:
            print(len(item))
            while len(reference_uri) != 0:
                msg = reference_uri.pop(i)
                new_element = et.SubElement(item,
"graphicElementReference")
                new_reference_uri = et.SubElement(new_element,
"referenceURI")
                new_reference_uri.text = msg
                print(new_reference_uri,
new_reference_uri.text)
            # tree.append(root)
            et.register_namespace('artwork_content',
'urn:gs1:ecom:artwork_content:xsd:3')
            et.register_namespace('sh', 'http://www.unece.org/cefact/
namespaces/StandardBusinessDocumentHeader')
            et.register_namespace('xsi', 'http://www.w3.org/2001/
XMLSchema-instance')
            # writing out to a new file since the writing to the same
            file does not seem to work.
            tree.write("NEW_FILE2.xml", xml_declaration=True,
encoding='utf-8', method="xml")
            return print("write to referenceUri is completed")

def parse_root2(root2, reference_identifier, tree2):
    i = 0
    print(i)

    for elem in root2:
        msg2 = reference_identifier.pop(i)
        elem.text = msg2
        print(msg2)
        tree2.write('NEW_FILE2.xml')

    return print("write to referenceUri is completed")

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