**Exercise 15 : Convert XML to Json using Python …..**

**Program:**

import xmltodict  
import json  
  
  
xml\_filename = input("Enter the XML filename: ")  
  
  
with open(xml\_filename, 'r') as xml\_file:  
 xml\_content = xml\_file.read()  
xml\_dict = xmltodict.parse(xml\_content)  
json\_output = json.dumps(xml\_dict, indent=4)  
print(json\_output)

**output:**

C:\Users\ayarramr\PycharmProjects\Rainydays.py\venv\Scripts\python.exe C:\Users\ayarramr\PycharmProjects\Rainydays.py\xmltodict3.py

Enter the XML filename: data.xml

{

"root": {

"name": "aruna",

"age": "23",

"address": "123 Main Street"

}

}

Process finished with exit code 0

**Using Dockerfile :**

# Use an official Python runtime as a parent image  
FROM python:3.8-slim  
RUN pip install xmltodict  
# Set the working directory in the container  
WORKDIR /testwork

COPY data.xml /testwork/  
# Copy the Python script to the container  
COPY xmltodict3.py /testwork/

# Run the Python script when the container launches  
ENTRYPOINT ["python", "/testwork/xmltodict3.py"]

**XML file:**

<root>

<name>aruna</name>

<age>23</age>

<address>123 Main Street</address>

</root>

**Execution:**A screenshot of a computer

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Comments for this (xml file can come from host(ec2),guest is docker):

Dockerfile:

# Use the official Python image as the base image  
FROM python:3.8-slim

# Set the working directory inside the container  
WORKDIR /app

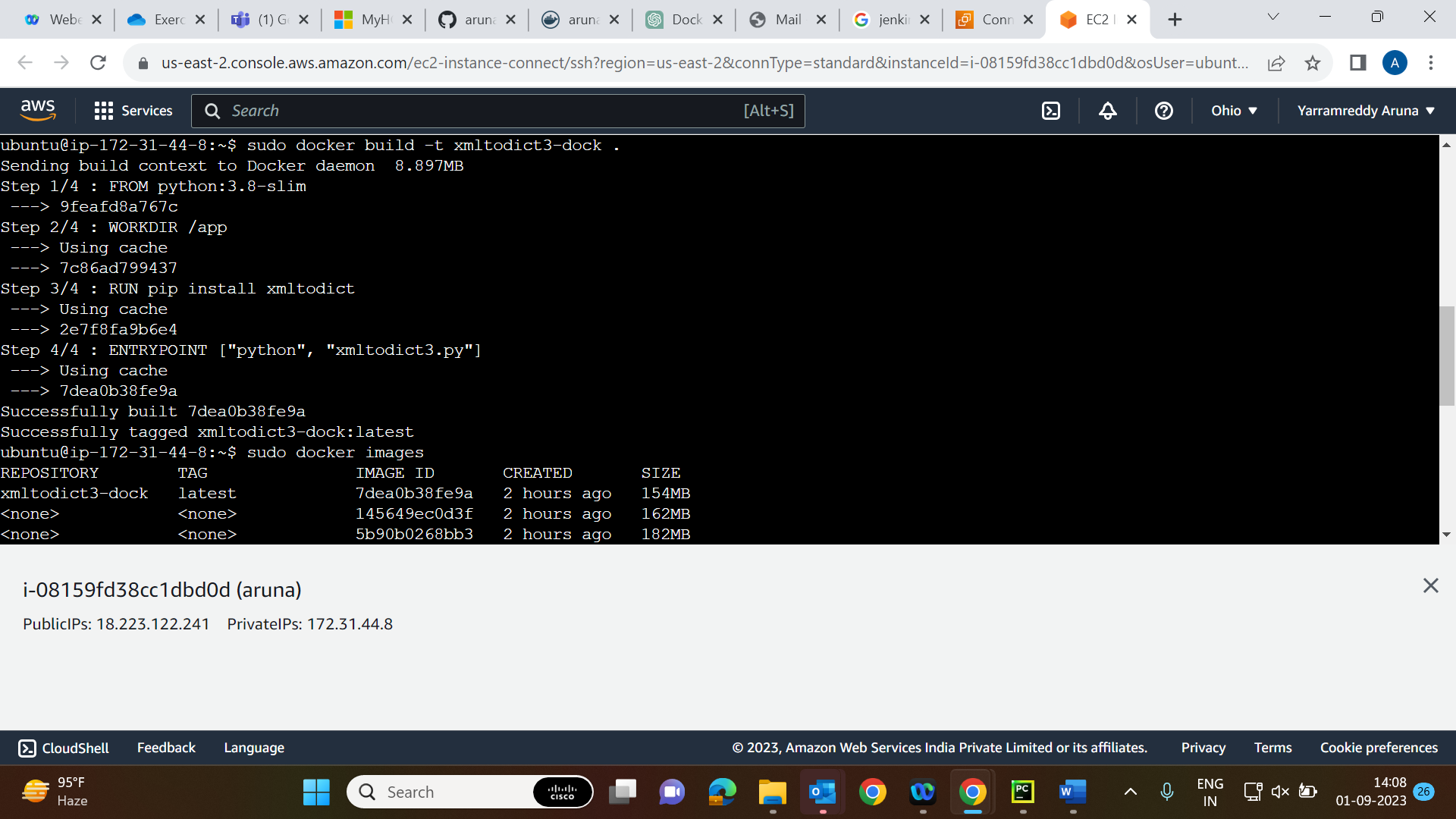
# Copy the Python script and XML file to the container

RUN pip install xmltodict

# Run the Python script when the container starts  
ENTRYPOINT ["python", "xmltodict3.py"]

Pythoncode:

import xmltodict  
import json  
  
  
xml\_filename = input("Enter the XML filename: ")  
  
  
with open(xml\_filename, 'r') as xml\_file:  
 xml\_content = xml\_file.read()  
xml\_dict = xmltodict.parse(xml\_content)  
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