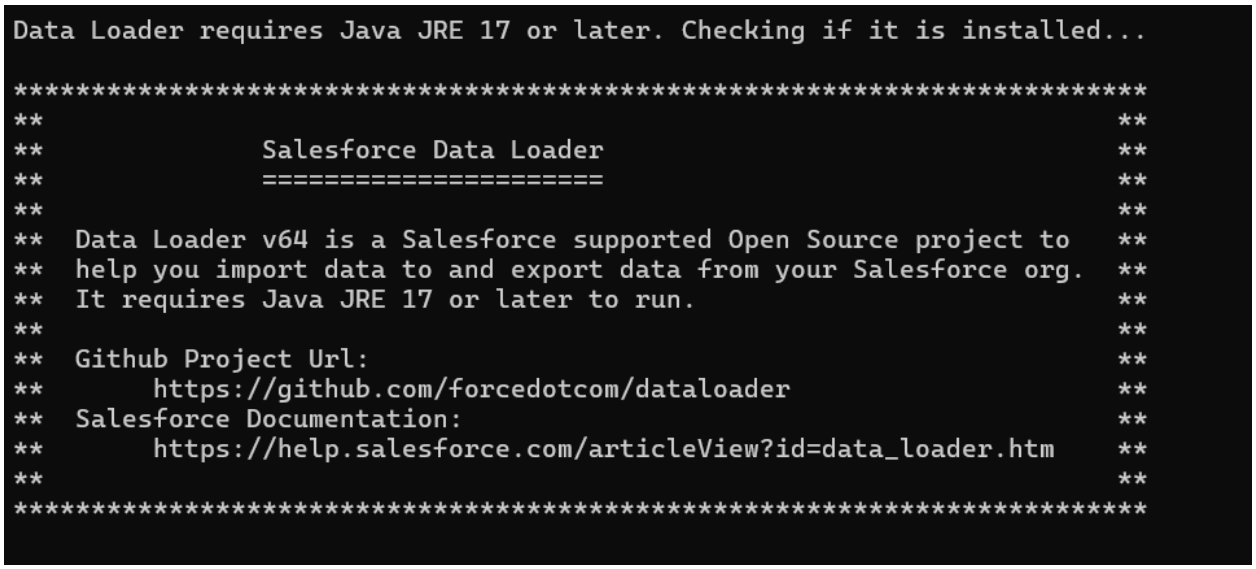
Salesforce Project Report

Part 1: Data Loader

Objective: To insert data into Salesforce efficiently using Data Loader and verify the results.

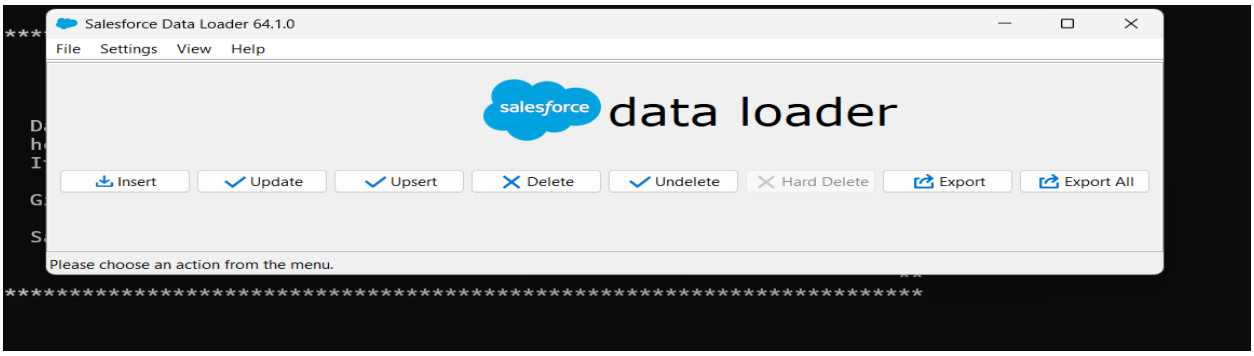
Step 1: Install Data Loader

- Downloaded **Data Loader** from Salesforce Setup.
- Installed Data Loader on the local machine.



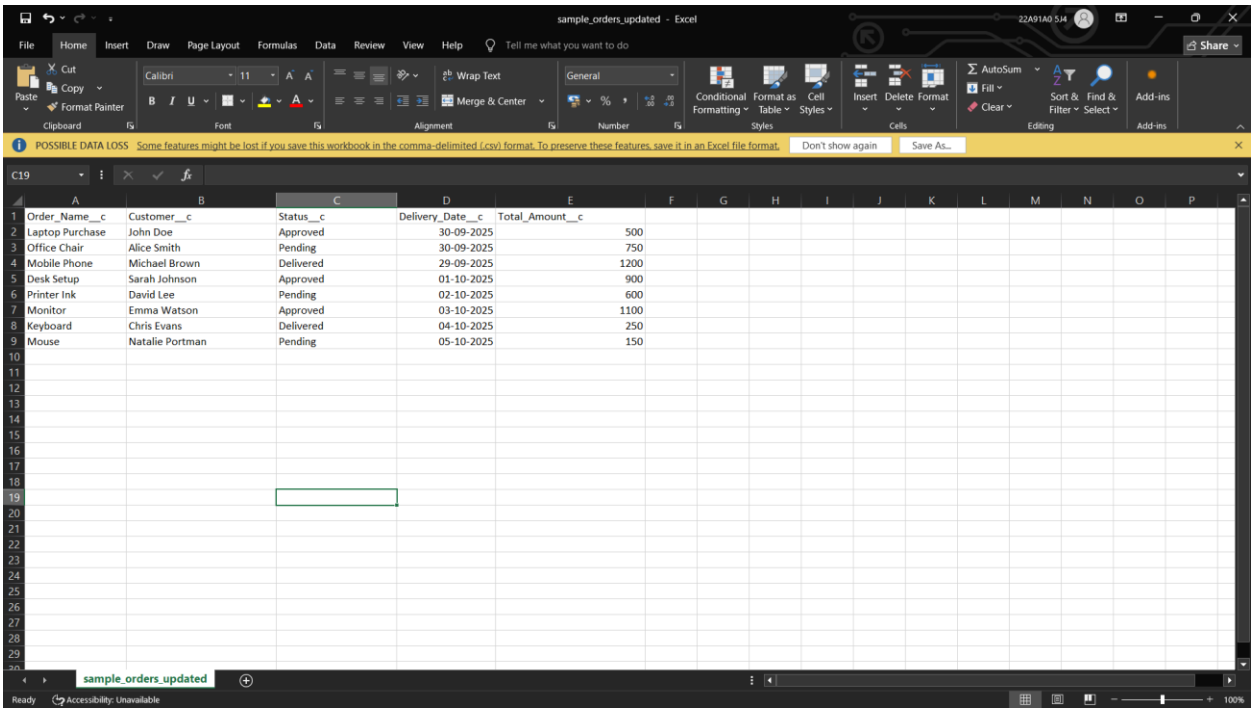
Step 2: Login to Data Loader

- Opened **Data Loader**.
- Selected **Production** environment.
- Entered **Username**, **Password**, and **Security Token**.



Step 3: Insert Data

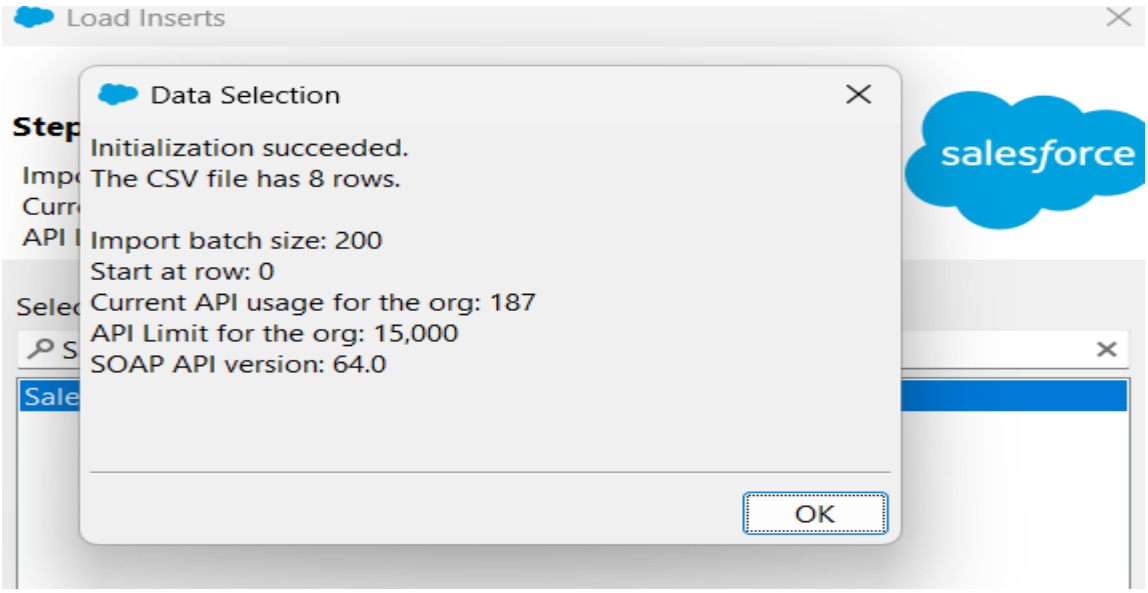
- Prepared CSV file with fields matching Salesforce API names.
- Clicked **Insert**, selected the object, browsed CSV, mapped fields, and finished.



Order_Name__c	Customer__c	Status__c	Delivery_Date__c	Total_Amount__c
Laptop Purchase	John Doe	Approved	30-09-2025	500
Office Chair	Alice Smith	Pending	30-09-2025	750
Mobile Phone	Michael Brown	Delivered	29-09-2025	1200
Desk Setup	Sarah Johnson	Approved	01-10-2025	900
Printer Ink	David Lee	Pending	02-10-2025	600
Monitor	Emma Watson	Approved	03-10-2025	1100
Keyboard	Chris Evans	Delivered	04-10-2025	250
Mouse	Natalie Portman	Pending	05-10-2025	150

Step 4: Check Results

- Data Loader generated **Success.csv** and **Error.csv**.
- Reviewed errors, corrected CSV, and re-imported if needed.



Conclusion: Data Loader successfully used to insert records into Salesforce.

Part 2: Deployment Using VS Code

Objective: To deploy Salesforce DX project components to Salesforce Org using VS Code.

Step 1: Prepare VS Code Project

- Opened Salesforce DX project in **VS Code**.
- Ensured all components are in `force-app/main/default`:
  - Lightning Web Components (LWC) → `lwc/`
  - Apex Classes → `classes/`
  - Other Metadata → `objects/`, `flows/`, `aura/`, etc.

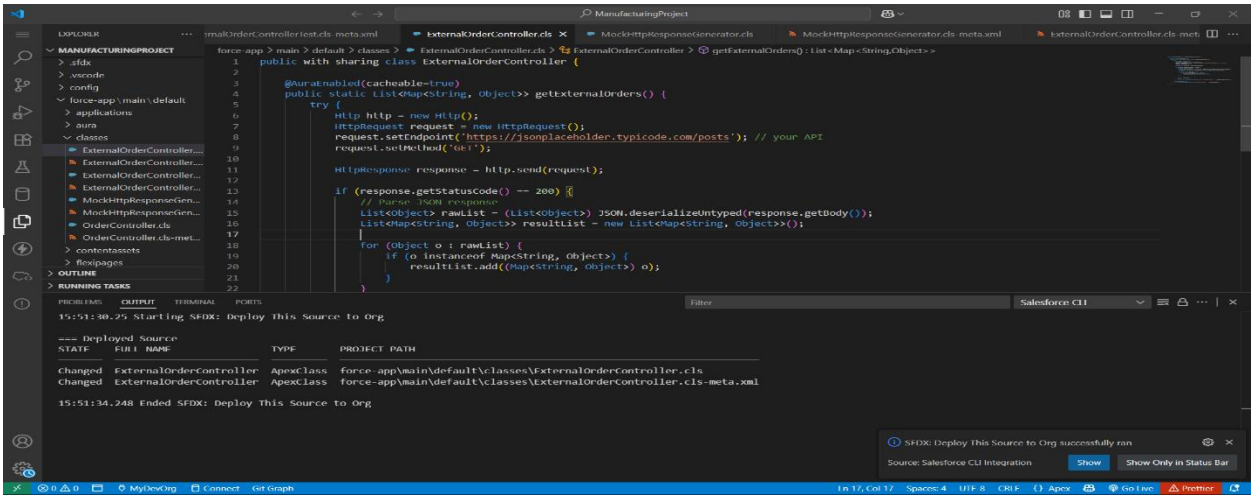
Screenshot: *(Insert VS Code project structure screenshot here)*

Step 2: Use Manifest (package.xml) for Deployment

- Created/edited `package.xml` inside `manifest/` folder.
- Included components to deploy. Example:

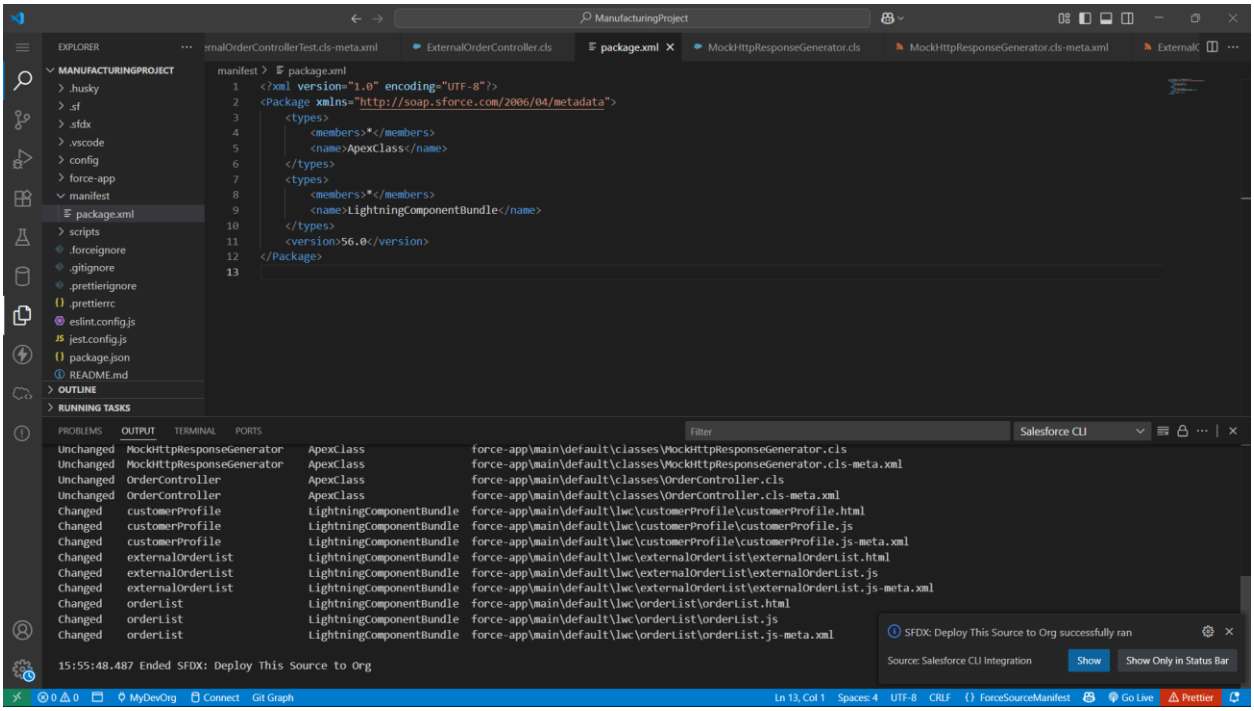
```xml
<?xml version="1.0" encoding="UTF-8"?>
<Package xmlns="http://soap.sforce.com/2006/04/metadata">
    <types>
        <members>*</members>
        <name>ApexClass</name>
    </types>
    <types>
        <members>*</members>
        <name>LightningComponentBundle</name>
    </types>
    <version>56.0</version>
</Package>
```

- * deploys all components of that type; individual components can also be listed.



Step 3: Deploy to Org

- Right-click on `manifest/package.xml` → Select **SFDX: Deploy Source to Org**.
- Check **Output Panel** for success/errors.



Step 4: Verify Deployment

- Log in to Salesforce Org.
- Verify LWCs, Apex Classes, and other metadata are correctly deployed.

Conclusion: VS Code successfully used to deploy Salesforce DX project components to the Org.