**Lab Assignment 1- Working with Drools LHS (Left-Hand Side) Conditions**

**Objective:**

To develop and apply Drools rules using the Left-Hand Side (LHS) conditions effectively. You will create rules to manage a basic inventory and order processing system for an e-commerce platform, where discounts and special processing are applied based on customer type, order value, and product category.

**Problem Statement:**

You are tasked with creating a rule-based system for an e-commerce platform. The system should be capable of processing orders and applying specific business rules based on customer types, order amounts, and product categories. The rules will include conditions to determine discounts for different customer types, high-value orders, and special processing for specific product categories. The focus is on defining these conditions correctly on the Left-Hand Side (LHS) of the rules.

**Scenario:**

**Customer Types:**

* VIP: Eligible for a 20% discount if the order amount exceeds $500.
* Regular: Eligible for a 10% discount if the order amount exceeds $200.
* New: No discount is provided, but the order should still be processed.

**Product Categories:**

* Electronics: Requires special handling if the order amount exceeds $1000.
* Clothing: No special handling, but a flat 5% discount is applied if the order amount exceeds $150.

**Order Processing:**

* Every order must be marked as processed after applying the relevant rules.

**Assignment Tasks:**

**1. Setup the Drools Project**

* Create a new Drools project.
* Configure the project with necessary dependencies, ensuring Drools is integrated with your IDE (e.g., Eclipse, IntelliJ IDEA).