

Commands to Follow:

- 1.Unzip the zip file.
- 2.Open src file and go to Main.
- 3.Run the Main.java or **javac Main.java** and execute **java Main**
- 4.Output will be displayed in the console.

Git Repo Link:

<https://github.com/VenkataSaiPradeepNagiseti/assignDP.git>

Five Design Patterns are implemented.

1. Facade pattern
2. Bridge pattern
3. Factory pattern
4. Iterator pattern
5. Visitor pattern

1. Facade design pattern is implemented in Facade Class. A facade object cred is created to provide a simplified interface to the client and performs login functionality.

2. Bridge design pattern is implemented by decoupling the Buyer and Seller from abstract Person. MeatProductMenu and ProduceProductMenu are decoupled from interface ProductMenu. Hence the Bridge pattern is implemented.

3. Factory design pattern is implemented by subclasses MeatProductMenu and ProduceProductMenu by creating their object from interface ProductMenu. Hence the factory pattern is implemented.

4. The Iterator design pattern is implemented by ProductIterator by traversing a container and accessing its elements.

5. Visitor design pattern is implemented by VisitTrading method to separate object structure from algorithm.