PSVM()

Objects of User and Admin classes

Main

Abstract Storage

private String viewStock()

private float gross()

private String purchases()

getters and setters

Private String id

Private String user name

ArrayList<Stock>

private String search(ArrayList <Stock>)

private int viewBill()

private String addToCart()

private String viewStock()

private float gross()

private String purchases()

Private String Id

Private String Password

Admin

User

private String product Name

private String quantity

Login

Login File

Private String Id

Private String Password

boolean user()

boolean admin()

**Login Class**: it contains two methods user (), admin () this class used to authenticate whether the person is authorized to use the store or not. The Data of users and admin are stored and retrieved from login file.

**User Class**: After authentication if the credentials are of user type, then the methods in user class are invoked. The User class extends Storage class.

**search ():** this method is used by the customer for seeing the specific type products which he required from the store.

**addToCart ():** this method is used by the customer to add some product to the cart.

**ViewBill ():** this method used to display the total bill of all the products which he added in the cart.

**Admin Class:** After authentication if the credentials are of admin type, then the methods in admin class are invoked. The admin class extends Storage class.

**viewStock ():** this method used to return the total stock that is present in the store.

**gross ():** this method returns monthly gross of the store according to purchases.

**purchases ():** this method returns total purchases of that day.

**Storage Class:** it is the base class for user and admin classes which contains every detail about the store, like about every product and total stock in the store and it contains getters and setters.

**Main class:** in this class objects for user and admin are created and according the requirement the methods are invoked.