Task 1: Prevent Duplicate Entry in database

* To ease the process First sort the Array List for skipping same values during insertion
* Create query according to the unique constraints
* Check the returned list from query
* If the size of the list is not zero then there is a duplicate data intend to insert.
* Simply skip the insertion and go to the next data and check exact same way.

Task 2: Net Buy and Sell Calculation and update the Hedge Fund Table with creating new column

* Read all the data from Hedge Fund Table and save it into a List.
* Calculate Net Buy and Sell with the relation (Market Value/Share\_Held\*Change\_In\_Share)
* Update the table data with new column by using session. Update
* Continue the process until end of the records in the table.

Task 3: New Table create for store sell summary information

* To maintain the uniqueness of the records put unique key constraint in the table by creating symbol\_date constraint.
* Now write a insert procedure with handling the constraint in such a way that if any duplicate data record came the procedure will skip inserting the record.
* Write a method in java for insertion. The procedure in SQL database will call by session.createStoreProcedureCall(“procedure name”) method and assigned it as a query
* And write query.executeUpdate() for completing the process of insertion.

Task 4: Update the code in GitHub

* Open command line and commit the task work
* And finally push the code