PL/SQL

ShareKhan, a renowned Share Trading organization, specialized into stock market needs to keep track of stock update and the investors.

Follow the instructions to accomplish the relevant tasks:

1) Create the database tables as per the following:

Stock_Holders		
Column	**Type**	**Constraints**
dmat_acc_no	Numberic	Primary Key
holder_name	Character Based	Not Null
holder_email	Character Based	Not Null

Stocks_Master		
Column	**Type**	**Constraints**
stock_code	Character Based	Primary Key

stockl_name	Character Based	Not Null
stock_price	Numeric	Not Null

Stock_Holdings

Column	Type	Constraints
dmat_no	Numeric	Foreign Key, Not Null
stock_code	Character Based	Foreign Key, Not Null
quantity	Numeric	Not Null

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Column	Type	Constraints
Sr_No	Numeric	Primary Key
stock_code	Character Based	Foreign Key, Not Null
stock_price	Numeric	Not Null
update_date	Date	Not Null

Primary Key

2) Insert the records into all the tables except **Stock_Updates**.

3) Write a PL/SQL block that creates a function **get_Total_Stake_Valuation** which accepts a DMat account no of the investor and returns the valuation of the total stakes.

4) Write a PL/SQL block that creates a procedure **update_stock_price** which accepts a code of the stock and the new price and updates the record from the **Stocks_Master** table.

5) Write a PL/SQL block that creates a trigger as soon as a record from the **Stocks_Master** table is updated. The trigger must insert a new record entry into **Stock_Updates** table. The **stock_price** column of **Stock_Updates** table should contain the previous value of the stock. Values for **Sr_No** column of **Stock_Updates** table should be auto incremented.