

LOVELY PROFESSIONAL UNIVERSITY



COURSE CODE: INT306.

COURSE NAME: Database Management System.

PROJECT TITLE: Stock Analysis.

“Department of Computer Science

&

Engineering”

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ABSTRACT:

The Stock Analysis facilitates with purchasing and selling of the stocks and inquire about the stocks available on the market to the user. The aim of the case study is to design and develop a database maintaining the records of shares of different companies and the people who buy and sell stocks, to keep the data about value of the stock in different currencies.

This project contains Introduction to stock analysis. It is the computerized system of purchasing the stocks and keeping the data of the stocks by doing an analysis upto date. By using these platform all information about the stocks is available at one platform which makes it easier for user to know about the value of shares in the market.

In our country, there are number of platforms to avail information about the stock market analysis. Then this project contains entity relation model diagram based on stock market analysis and introduction to relation model. There is also design of database of stock analysis based on relation model example of some SQL queries to retrieve data from stockmarket database.

This project contains SQL queries screenshots of the queries made in the platform my SQL using database “stockmarket”.

ACKNOWLEDGEMENT:

First and foremost, we would like to express our gratitude to our Professor, who was a continual source of inspiration. He pushed us to think imaginatively and urged us to do this homework without hesitation. His vast knowledge, extensive experience, and professional competence in Database Management Systems enabled us to successfully accomplish this project. This endeavor would not have been possible without his help and supervision. We could not have asked for a finer mentor in our studies.

I'd like to thank The Lovely Professional University for providing me with the opportunity to work on the project for "**Stock Analysis.**" Last but not least, I would like to express my gratitude to my friends for their invaluable assistance, and I am deeply grateful to everyone who has contributed to the successful completion of this project.

INTRODUCTION:

A database is an organized collection of data. The data is typically organized to model aspects of reality in a way that supports processes requiring information. A DBMS makes it possible for end users to create, read, update, and delete data in a database. The DBMS essentially serves as an interface between the database and end users or application programs, ensuring that data is consistently organized and remains easily accessible. The DBMS manages three important things: the data, the database engine that allows data to be accessed, locked, and modified, and the database schema, which defines the database's logical structure. These three foundational elements help provide concurrency, security, data integrity, and uniform administration procedures. The DBMS can offer both logical and physical data independence. That means it can protect users and applications from needing to know where data is stored or being concerned about changes to the physical structure of data.

The main goal of keeping a database for stock analysis is to reduce the manual errors involved in buying and selling stocks and to make it easier for users and buyers to keep track of their transactions, the value of their shares, and how many shares they own. Due to automation, many loopholes that exist in the manual maintenance of the records can be removed. The speed of obtaining and processing the data will be fast. For future expansion, the proposed system can be web-enabled so that the buyers and users can make various purchases. Due to this, sometimes a lot of problems occur, and they are facing many disputes with clients. To address the aforementioned issue, we create a database that includes user information, the market price of stocks, and the number of companies and their details.

PROJECT DESCRIPTION:

This project is about creating the database about Stock Analysis.

The Stock Analysis facilitates with purchasing and selling of the stocks and inquire about the stocks available on the market to the user. The aim of the case study is to design and develop a database maintaining the records of shares of different companies and the people who buy and sell stocks, to keep the data about value of the stock in different currencies. The record of stocks include the no of companies, different currencies, their industry, avail shares, prices, members or users and their balance. All these data in the Database help the user understand his purchasing power and amount of his shares in his account better.

Stock Market Analysis of stocks using data mining will be useful for new investors to invest in stock market based on the various factors considered by the software.

Stock market includes daily activities like Sensex calculation, exchange of shares. The exchange provides an efficient and transparent market for trading in equity, debt instruments and derivatives.

Our software will be analysing Sensex based on company's stock value. The stock values of company depend on some of the following factors:

- **Currency value:** The fluctuations in the Currency value day by day will be playing crucial part in the stock values of companies (basically I.T based companies) The impact of Currency values will be different for different companies.
- **Corporate results:** This will be regarding to the profits or progress of the company over a span of time say 3 months.
- **Inflation:** The overall rise in price of all the products which affects purchasing power.

The stock value depends on other factors as well, but we are taking into consideration only these particular factors.

List of stock companies has to be maintained. Detailed information is to be maintained in the account of the users while purchasing as the error can effect the user very much.

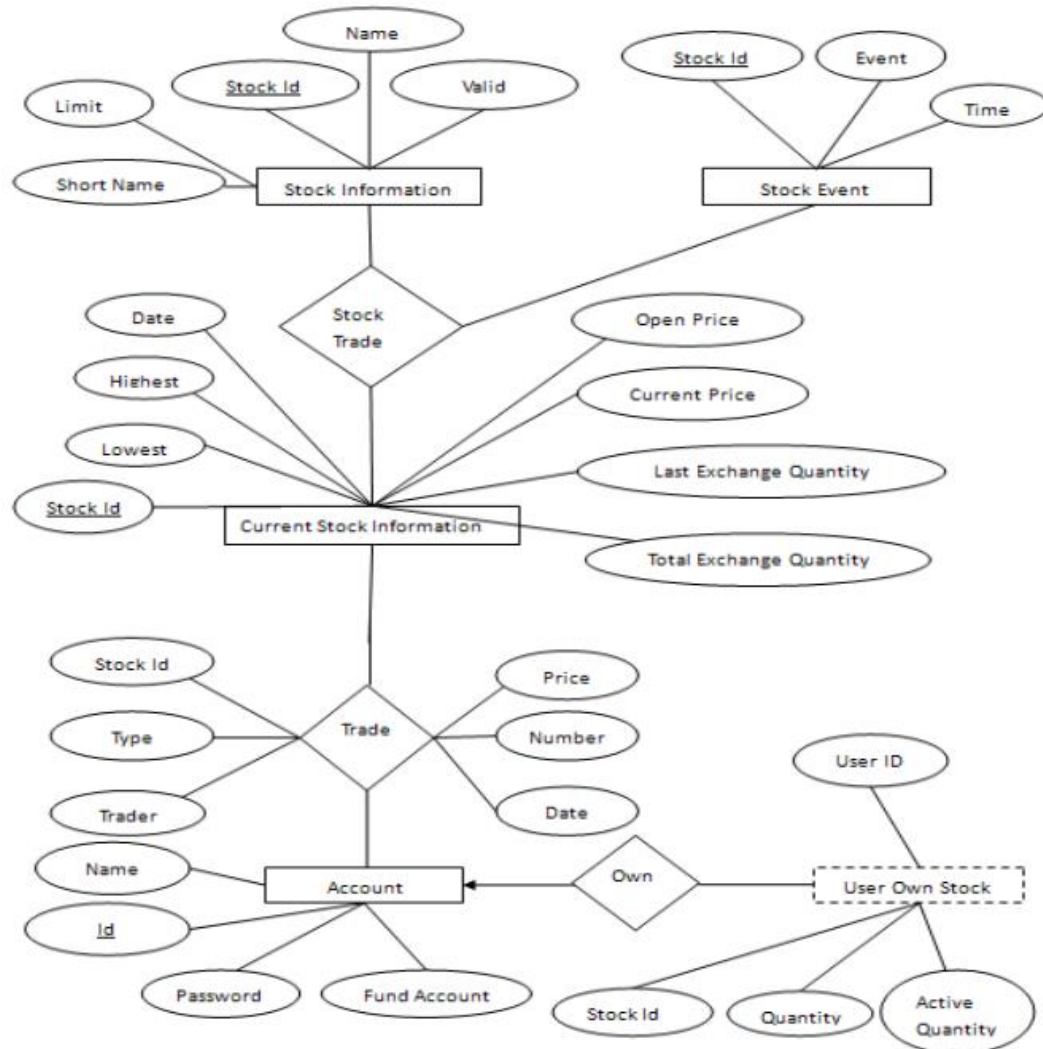
On the basis of the values provided by the clients corresponding data in the records of the database can be altered or changed. If aa buyer wants to buy shares his profile is scanned and the offered price is sent to the user or client of the company. The records can be deleted by the company if they desire the change.

ENTITIES AND ATTRIBUTES:

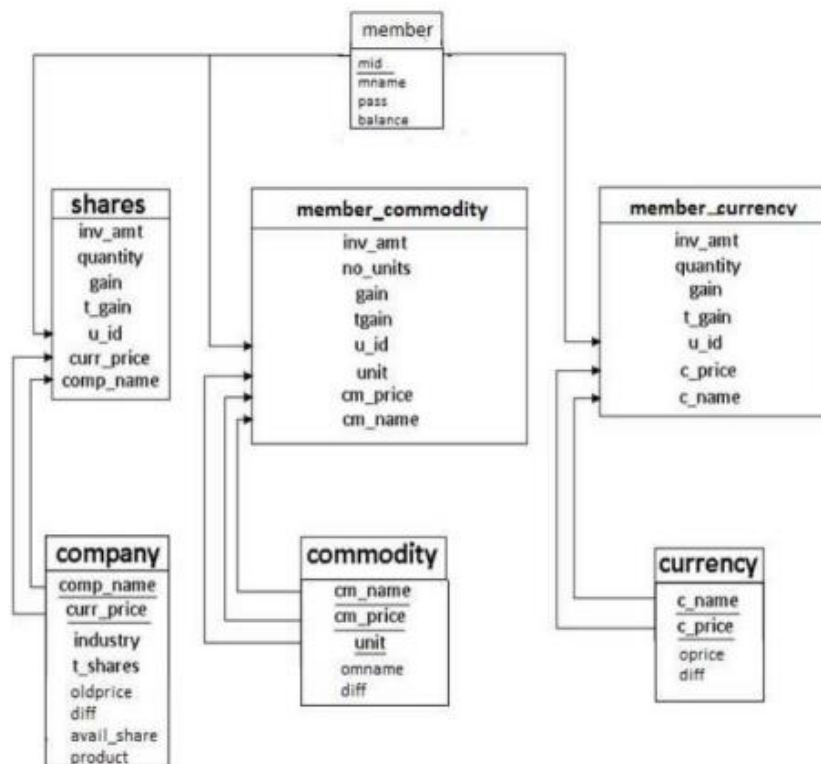
<u>Entities</u>	<u>Attributes</u>
member	<u>mid</u> (primary key) mname pass balance
shares	inv_amt quantity gain t_gain u_id curr_price comp_name
Member_currency	int_amt quantity gain t_gain u_id c_price c_name
Member_commodity	inv_amt no_units gain tgain u_id unit cm_price cm_name

<u>Entities</u>	<u>Attributes</u>
Company	<u>comp_name</u> (primary key) curr_price industry t_shares oldprice diff avail_share product
commodity	<u>cm_name</u> (primary key) cm_price unit omname diff
currency	<u>c_name</u> (primary key) c_price oprice diff
administrator	<u>admin_name</u> (primary key) admin_pass

ER DIAGRAM:

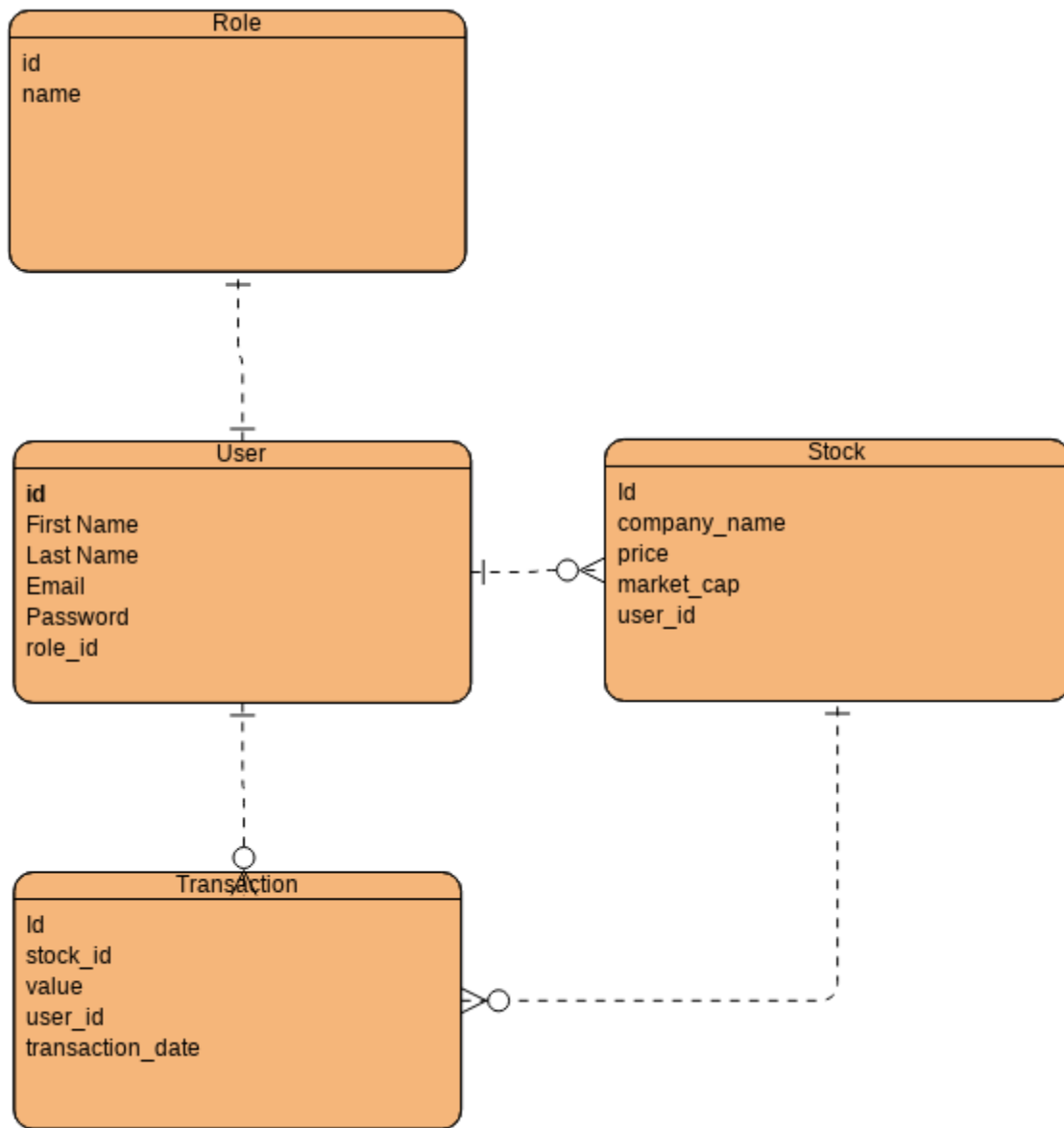


SCHEMA DIAGRAM:



Stock analysis Schema diagram

SCHEMA DIAGRAM:



MY SQL CODE:

```
create database stockmarket;
```

```
use stockmarket;
```

```
create table member
```

```
(
```

```
mid int,
```

```
mname varchar(20),
```

```
pass varchar(10),
```

```
balance numeric(20,5),
```

```
primary key(mid)
```

```
);
```

```
create table currency
```

```
(
```

```
cname varchar(20),
```

```
cprice float(2),
```

```
oprice float(2),
```

```
diff float(2),
```

```
primary key(cname,cprice)
```

```
);
```

```
create table member_currency
```

```
(
```

```
mid int ,
```

```
cname varchar(20),
```

```
cprice float(2),
```

```
quantity int,
```

```
invest_amt float(2),
```

```

gain float(2),
tgain float(2),
foreign key(mid) references member(mid)
ON UPDATE CASCADE
on delete cascade,
foreign key(cname,cprice) references currency(cname,cprice)
on update cascade
on delete cascade
);
create table commodity
(
cmname varchar(20),
cmprice float(2),
oprice float(2),
diff float(2),
unit varchar(10),
primary key(cmname,cmprice,unit)
);
create table member_commodity
(
mid int,
cmname varchar(20),
cmprice float(2),
invest_amt float(2),
quantity int,
unit varchar(10),

```

```

gain float(2),
tgain float(2),
foreign key(mid) references member(mid)
on update cascade
on delete cascade,
foreign key(cmname,cmprice,unit) references commodity(cmname,cmprice,unit)
on update cascade
on delete cascade
);

create table company
(
comp_name varchar(50),
industry varchar(50),
tshares int,
curr_price float(2),
old_price float(2),
diff float(2),
avail_shares int,
product numeric(15,4),
primary key(comp_name,curr_price)
);

create table shares
(
mid int,
comp_name varchar(50),
curr_price float(2),

```

```

invest_amt float(2),
quantity int,
gain float(2),
tgain float(2),
foreign key(mid) references member(mid)
on update cascade
on delete cascade,
foreign key(comp_name,curr_price) references company(comp_name,curr_price)
on update cascade
on delete cascade
);

create table administrator
(
admin_name varchar(20),
admin_pass varchar(10),
primary key(admin_name)
);

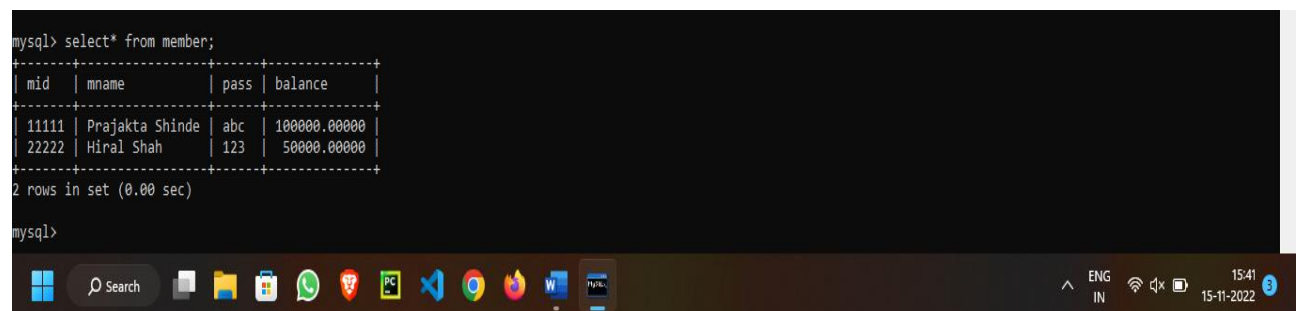
```

INSERT SQL VALUES:

```
insert into member values (11111, 'Prajakta Shinde','abc',100000.00);
```

```
insert into member values (22222, 'Hiral Shah','123',50000.00);
```

```
select* from member;
```



```

mysql> select* from member;
+----+-----+-----+-----+
| mid | mname      | pass | balance |
+----+-----+-----+-----+
| 11111 | Prajakta Shinde | abc  | 100000.00000 |
| 22222 | Hiral Shah    | 123  | 50000.00000 |
+----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>

```



```

insert into currency values ('US $/Rupee',55.2,0.0,0.0);

insert into currency values ('Euros/Rupee',69.4,0.0,0.0);

insert into currency values ('AUS $/Rupee',52.72,0.0,0.0);

insert into currency values ('Japenese yen/Rupee',0.62,0.0,0.0);

insert into currency values ('Renminbi/Rupee',8.12,0.0,0.0);

insert into currency values ('Pounds/Pupee',85.8,0.0,0.0);

insert into currency values ('Dirhams/Rupee',14.00,0.0,0.0);

insert into currency values ('singapore $/Rupee',43.77,0.0,0.0);

insert into currency values ('Taiwan $/Rupee',1.82,0.0,0.0);

insert into currency values ('Ringgit/Rupee',15.67,0.0,0.0);

select* from currency;

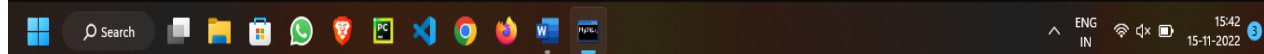
```

```

mysql> select* from currency;
+-----+-----+-----+-----+
| cname      | cprice | oprice | diff |
+-----+-----+-----+-----+
| AUS $/Rupee | 52.72  | 0      | 0     |
| Dirhams/Rupee | 14     | 0      | 0     |
| Euros/Rupee  | 69.4   | 0      | 0     |
| Japenese yen/Rupee | 0.62  | 0      | 0     |
| Pounds/Pupee | 85.8   | 0      | 0     |
| Renminbi/Rupee | 8.12   | 0      | 0     |
| Ringgit/Rupee | 15.67  | 0      | 0     |
| singapore $/Rupee | 43.77 | 0      | 0     |
| Taiwan $/Rupee | 1.82   | 0      | 0     |
| US $/Rupee   | 55.2   | 0      | 0     |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql>

```



```

insert into commodity values ('Gold',28345.62,0.0,0.0,'10 gm');

insert into commodity values ('Silver',55500.2,0.0,0.0,'kg');

insert into commodity values ('Crudeoil',5237,0.0,0.0,'barrel');

insert into commodity values ('Copper',435.5,0.0,0.0,'kg');

insert into commodity values ('Zinc',102.10,0.0,0.0,'kg');

insert into commodity values ('Lead',113.69,0.0,0.0,'kg');

insert into commodity values ('Nickel',910.45,0.0,0.0,'kg');

insert into commodity values ('Aluminium',106.80,0.0,0.0,'kg');

insert into commodity values ('Natural Gas',194.80,0.0,0.0,'kg');

```

insert into commodity values ('Cotton',16790.65,0.0,0.0,'kg');

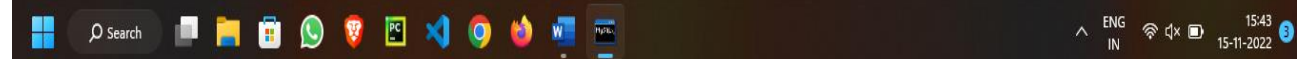
select* from commodity;

```
mysql> select* from commodity;
```

cmname	cmprice	oprice	diff	unit
Aluminium	106.8	0	0	kg
Copper	435.5	0	0	kg
Cotton	16790.7	0	0	kg
Crudeoil	5237	0	0	barrel
Gold	28345.6	0	0	10 gm
Lead	113.69	0	0	kg
Natural Gas	194.8	0	0	kg
Nickel	910.45	0	0	kg
Silver	55500.2	0	0	kg
Zinc	102.1	0	0	kg

```
10 rows in set (0.00 sec)
```

```
mysql>
```



insert into company values('Cipla','Pharmaceuticals', 56000, 105.25,0.0,0.0,40000,0.0);

insert into company values('Wipro','Information Technology', 100000,
65.23,0.0,0.0,80000,0.0);

insert into company values('ICICI Bank','Banking',70000,362.14,0.0,0.0,60000,0.0);

insert into company values('Mahindra & Mahindra','Automotive', 60000,
203.16,0.0,0.0,45000,0.0);

insert into company values('Tata Power','Power', 20000, 70.36,0.0,0.0,10000,0.0);

insert into company values('Reliance Industries','Oil and gas', 90000,
513.64,0.0,0.0,75000,0.0);

insert into company values('DLF','Real estate',65000,220.5,0.0,0.0,50000,0.0);

insert into company values('Sterlite Industries','Metals and Mining', 80000,
80.45,0.0,0.0,62000,0.0);

insert into company values('Infosys','Information Technology', 75000,
110.89,0.0,0.0,58000,0.0);

insert into company values('Bharti Airtel','Telecommunication', 50000,
1050.21,0.0,0.0,43000,0.0);

insert into company values('State Bank Of India','Banking', 32000, 165.91,0.0,0.0,25000,0.0);

```
insert into company values('Oil and Natural Gas Corporation','Oil and gas',
30000,60.95,0.0,0.0,20000,0.0);
```

```
insert into company values('Jindal Steel & Power','Steel & Power',
75000,254.123,0.0,0.0,64000,0.0);
```

```
insert into company values('Maruti Suzuki','Automotive', 85000, 756.46,0.0,0.0,72000,0.0);
```

```
insert into company values('Hindustan Unilever','Consumer goods',
45000,564.78,0.0,0.0,31000,0.0);
```

```
UPDATE company
```

```
SET product=avail_shares*curr_price;
```

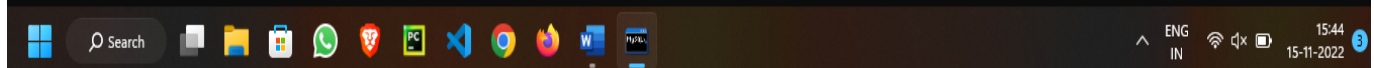
```
select * from company;
```

```
mysql> select * from company;
```

comp_name	industry	tshares	curr_price	old_price	diff	avail_shares	product
Bharti Airtel	Telecommunication	50000	1050.21	0	0	43000	45159028.3203
Cipla	Pharmaceuticals	56000	105.25	0	0	40000	4210000.0000
DLF	Real estate	65000	220.5	0	0	50000	11025000.0000
Hindustan Unilever	Consumer goods	45000	564.78	0	0	31000	17508180.9082
ICICI Bank	Banking	70000	362.14	0	0	60000	21728400.8789
Infosys	Information Technology	75000	110.89	0	0	58000	6431619.9646
Jindal Steel & Power	Steel & Power	75000	254.123	0	0	64000	16263872.0703
Mahindra & Mahindra	Automotive	60000	203.16	0	0	45000	9142200.1648
Maruti Suzuki	Automotive	85000	756.46	0	0	72000	54465121.5820
Oil and Natural Gas Corporation	Oil and gas	30000	60.95	0	0	20000	1219000.0153
Reliance Industries	Oil and gas	90000	513.64	0	0	75000	38523001.0986
State Bank Of India	Banking	32000	165.91	0	0	25000	4147750.0916
Sterlite Industries	Metals and Mining	80000	80.45	0	0	62000	4987899.8108
Tata Power	Power	20000	70.36	0	0	10000	703600.0061
Wipro	Information Technology	100000	65.23	0	0	80000	5218400.2686

15 rows in set (0.00 sec)

```
mysql>
```



```
CREATE VIEW comp
```

```
AS
```

```
SELECT comp_name,industry,avail_shares,curr_price,diff
```

```
FROM company;
```

```
select * from comp;
```

```
mysql> select * from comp;
```

comp_name	industry	avail_shares	curr_price	diff
Bharti Airtel	Telecommunication	43000	1050.21	0
Cipla	Pharmaceuticals	40000	105.25	0
DLF	Real estate	50000	220.5	0
Hindustan Unilever	Consumer goods	31000	564.78	0
ICICI Bank	Banking	60000	362.14	0
Infosys	Information Technology	58000	110.89	0
Jindal Steel & Power	Steel & Power	64000	254.123	0
Mahindra & Mahindra	Automotive	45000	203.16	0
Maruti Suzuki	Automotive	72000	756.46	0
Oil and Natural Gas Corporation	Oil and gas	20000	60.95	0
Reliance Industries	Oil and gas	75000	513.64	0
State Bank Of India	Banking	25000	165.91	0
Sterlite Industries	Metals and Mining	62000	80.45	0
Tata Power	Power	10000	70.36	0
Wipro	Information Technology	80000	65.23	0

```
15 rows in set (0.00 sec)
```

```
insert into member_currency values(11111,'AUS $/Rupee', 52.72, 50, 50.32, 0, 0);
```

```
insert into member_currency values(11111,'US $/Rupee', 55.2, 50, 58.56, 0, 0);
```

```
insert into member_currency values(11111,'Ringgit/Rupee', 15.67, 50, 16.75, 0, 0);
```

```
insert into member_currency values(22222,'AUS $/Rupee', 52.72, 50, 53.58, 0, 0);
```

```
insert into member_currency values(22222,'Pounds/Pupee', 85.8, 75, 86.68, 0, 0);
```

```
insert into member_currency values(22222,'Ringgit/Rupee', 15.67,80, 14.77, 0, 0);
```

```
insert into member_commodity values(11111,'Gold', 28345.62, 27468.32, 7,'10 gm', 0, 0);
```

```
insert into member_commodity values(11111,'Copper', 435.5, 440.3, 5,'kg', 0, 0);
```

```
insert into member_commodity values(22222,'Silver', 55500.2, 55515.66, 0.5,'kg', 0, 0);
```

```
insert into member_commodity values(22222,'Cotton', 16790.65, 15398.52, 3,'kg', 0, 0);
```

```
select* from member_commodity ;
```

```
mysql> select* from member_commodity ;
```

mid	cmname	cmprice	invest_amt	quantity	unit	gain	tgain
11111	Gold	28345.6	27468.3	7	10 gm	0	0
11111	Copper	435.5	440.3	5	kg	0	0
22222	Silver	55500.2	55515.7	1	kg	0	0
22222	Cotton	16790.7	15398.5	3	kg	0	0

```
4 rows in set (0.00 sec)
```

```
mysql>
```

```
insert into shares values(11111,'Wipro', 65.23, 68.8, 100, 0, 0);
```

```

insert into shares values(11111,'Cipla', 105.25, 106.43, 80, 0, 0);

insert into shares values(11111,'DLF', 220.5, 218.94, 25, 0, 0);

insert into shares values(11111,'ICICI Bank', 362.14, 363, 50, 0, 0);

insert into shares values(11111,'Infosys', 110.89, 109.3, 60, 0, 0);

insert into shares values(11111,'Mahindra & Mahindra', 203.16, 200.9, 45,0, 0);

insert into shares values(11111,'Reliance Industries', 513.64, 513.1, 105, 0, 0);

insert into shares values(22222,'Bharti Airtel', 1050.21, 1045.3, 40, 0, 0);

insert into shares values(22222,'Wipro', 65.23, 66.8,90, 0, 0);

insert into shares values(22222,'Jindal Steel & Power', 254.123, 255, 60, 0, 0);

insert into shares values(22222,'Maruti Suzuki', 756.46, 755.4, 50, 0, 0);

insert into shares values(22222,'Hindustan Unilever', 564.78, 564.3, 30, 0, 0);

insert into shares values(22222,'Tata Power', 70.36, 69.8, 100, 0, 0);

select* from shares;

```

```
mysql> select * from shares;
```

mid	comp_name	curr_price	invest_amt	quantity	gain	tgain
11111	Wipro	65.23	68.8	100	0	0
11111	Cipla	105.25	106.43	80	0	0
11111	DLF	220.5	218.94	25	0	0
11111	ICICI Bank	362.14	363	50	0	0
11111	Infosys	110.89	109.3	60	0	0
11111	Mahindra & Mahindra	203.16	200.9	45	0	0
11111	Reliance Industries	513.64	513.1	105	0	0
22222	Bharti Airtel	1050.21	1045.3	40	0	0
22222	Wipro	65.23	66.8	90	0	0
22222	Jindal Steel & Power	254.123	255	60	0	0
22222	Maruti Suzuki	756.46	755.4	50	0	0
22222	Hindustan Unilever	564.78	564.3	30	0	0
22222	Tata Power	70.36	69.8	100	0	0

```

13 rows in set (0.00 sec)

```

```

insert into administrator values('Koushik123','777');

```

```
mysql> select * from administrator;
```

admin_name	admin_pass
Koushik123	777

```

1 row in set (0.00 sec)

```

UPDATE:

update member_currency

set gain=cprice-invest_amt;

update member_currency

set tgain=gain*quantity;

update member_commodity

set gain=cmprice-invest_amt;

update member_commodity

set tgain=gain*quantity;

update shares

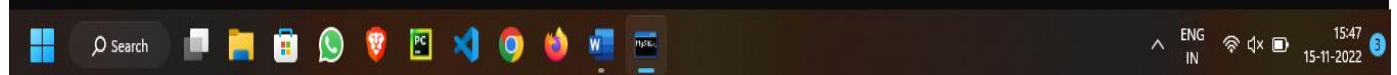
set gain=curr_price-invest_amt;

update shares

set tgain=gain*quantity;

show tables;

```
mysql> show tables;
+-----+
| Tables_in_stockmarket |
+-----+
| administrator         |
| commodity              |
| comp                   |
| company                |
| currency               |
| member                 |
| member_commodity       |
| member_currency        |
| shares                 |
+-----+
9 rows in set (0.07 sec)
```



PL-SQL CODE:

```
create table company(ID int,comp_name varchar(30), Industry varchar(20),curr_price  
float(2),primary key(comp_name));
```

```
insert into company values(1,'Reliance Industries','Oil and gas', 90000);
```

```
insert into company values(2,'DLF','Real estate',65000);
```

```
insert into company values(3,'Sterlite Industries','Metals and Mining', 80000);
```

```
DECLARE
```

```
cnt number(3);
```

```
BEGIN
```

```
UPDATE company set curr_price=curr_price+15000 where ID=2;
```

```
cnt:=SQL%ROWCOUNT;
```

```
dbms_output.put_line(cnt || 'rows updated');
```

```
END;
```

```
/
```

```
select*from company;
```

SQL Worksheet

Clear Find Actions Save Run

```
1 create table company(ID int,comp_name varchar(30), Industry varchar(20),curr_price float(2),primary key(comp_name));
2 insert into company values(1,'Reliance Industries','Oil and gas', 90000);
3 insert into company values(2,'DLF','Real estate',65000);
4 insert into company values(3,'Sterlite Industries','Metals and Mining', 80000);
5 DECLARE
6 cnt number(3);
7 BEGIN
8 UPDATE company set curr_price=curr_price+15000 where ID=2;
9 cnt:=SQL%ROWCOUNT;
10 dbms_output.put_line(cnt || 'rows updated');
11 END;
12 /
13 select*from company;
```

ID	COMP_NAME	INDUSTRY	CURR_PRICE
1	Reliance Industries	Oil and gas	90000
2	DLF	Real estate	80000
3	Sterlite Industries	Metals and Mining	80000

Download CSV
3 rows selected.

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ENG IN 12:37 16-11-2022

Trigger in PL/sql:

```
CREATE OR REPLACE TRIGGER display_oldprice_changes
BEFORE UPDATE ON company
FOR EACH ROW
WHEN (NEW.ID > 0)
DECLARE
    price_diff number;
BEGIN
    price_diff := :NEW.curr_price - :OLD.oldprice;
    dbms_output.put_line('Old price: ' || :OLD.oldprice);
    dbms_output.put_line('New price: ' || :NEW.curr_price);
    dbms_output.put_line('Salary difference: ' || price_diff);
END;

/
```

The screenshot shows an 'SQL Worksheet' interface. At the top, there are buttons for 'Clear', 'Find', 'Actions', 'Save', and 'Run'. The main editor area contains the following PL/SQL code:

```
1 CREATE OR REPLACE TRIGGER display_oldprice_changes
2 BEFORE UPDATE ON company
3 FOR EACH ROW
4 WHEN (NEW.ID > 0)
5 DECLARE
6     price_diff number;
7 BEGIN
8     price_diff := :NEW.curr_price - :OLD.oldprice;
9     dbms_output.put_line('Old price: ' || :OLD.oldprice);
10    dbms_output.put_line('New price: ' || :NEW.curr_price);
11    dbms_output.put_line('Salary difference: ' || price_diff);
12 END;
13 /
```

Below the editor, the output pane displays the message: 'Trigger created.'

At the bottom of the window, a status bar indicates: '© 2022 Oracle - Live SQL 22.3.1, running Oracle Database 19c Enterprise Edition - 19.14.0.0.0 - Database Documentation - Ask Tom - Dev Gym'. Below this is a Windows taskbar with various application icons and a system clock showing 14:37 on 16-11-2022.

Checking diff by procedure.

```
DECLARE
```

```
    total_rows number(2);
```

```
BEGIN
```

```
    UPDATE company
```

```
    SET oldprice = oldprice + 5000;
```

```
    IF sql%notfound THEN
```



```
dbms_output.put_line('no customers updated');
```

```
ELSIF sql%found THEN
```

```
total_rows := sql%rowcount;
```

```
dbms_output.put_line( total_rows || ' customers updated ');
```

```
END IF;
```

```
END;
```

```
/
```

SQL Worksheet

Clear Find Actions Save Run

```
1 DECLARE
2   total_rows number(2);
3 BEGIN
4   UPDATE company
5   SET oldprice = oldprice + 5000;
6   IF sql%notfound THEN
7     dbms_output.put_line('no customers updated');
8   ELSIF sql%found THEN
9     total_rows := sql%rowcount;
10    dbms_output.put_line( total_rows || ' customers updated ');
11  END IF;
12 END;
13 /
```

Statement processed.
Old price: 80000
New price: 90000
Salary difference: 10000
Old price: 60000
New price: 90000
Salary difference: 30000
Old price: 70000
New price: 80000
Salary difference: 10000
3 customers updated

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Search

ENG IN 14:39 16-11-2022

CONCLUSION:

In our project Stock Analysis we have stored all the information about the Stocks and the users buying stock. This data base is helpful for the applications which facilitate clients to buy the stocks and check the details of companies and their status from their price. We had considered the most important requirements only, many more features and details can be added to our project in order to obtain even more user friendly applications. These applications are already in progress and in future they can be upgraded and may become part of amazing technology.