**Structure of System**

1. **Structure of Tables:**

* **Users:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Size** | **Null** | **Key** |
| USERID | NUMBER | 38 | NOT NULL | PRIMARY |
| NAME | VARCHAR2 | 50 | NOT NULL | - |
| PHONE | VARCHAR2 | 20 | NOT NULL | - |
| EMAIL | VARCHAR2 | 50 | NOT NULL | - |
| PASSWORD | VARCHAR2 | 20 | NOT NULL | - |
| ADDRESS | VARCHAR2 | 100 | NOT NULL | - |
| USERTYPE | VARCHAR2 | 50 | NOT NULL | - |

* **Account:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Size** | **Null** | **Key** |
| USERID | NUMBER | 38 | NOT NULL | PRIMARY |
| ACC\_NO | NUMBER | 38 | NOT NULL | PRIMARY |
| DDATE | DATE | - | NOT NULL | - |
| EXPIRY | DATE | - | NOT NULL | - |
| BALANCE | NUMBER | 38 | NOT NULL | - |

* **Stock:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Size** | **Null** | **Key** |
| STOCKID | NUMBER | 38 | NOT NULL | PRIMARY |
| COMPANY | VARCHAR2 | 50 | NOT NULL | - |
| TITLE | VARCHAR2 | 100 | NOT NULL | - |
| DDATE | DATE | - | NOT NULL | - |
| MINBID | NUMBER | 38 | NOT NULL | - |
| MAXBID | NUMBER | 38 | NOT NULL | - |
| INC\_DEC | NUMBER | 38 | NOT NULL |  |

* **Transaction:**

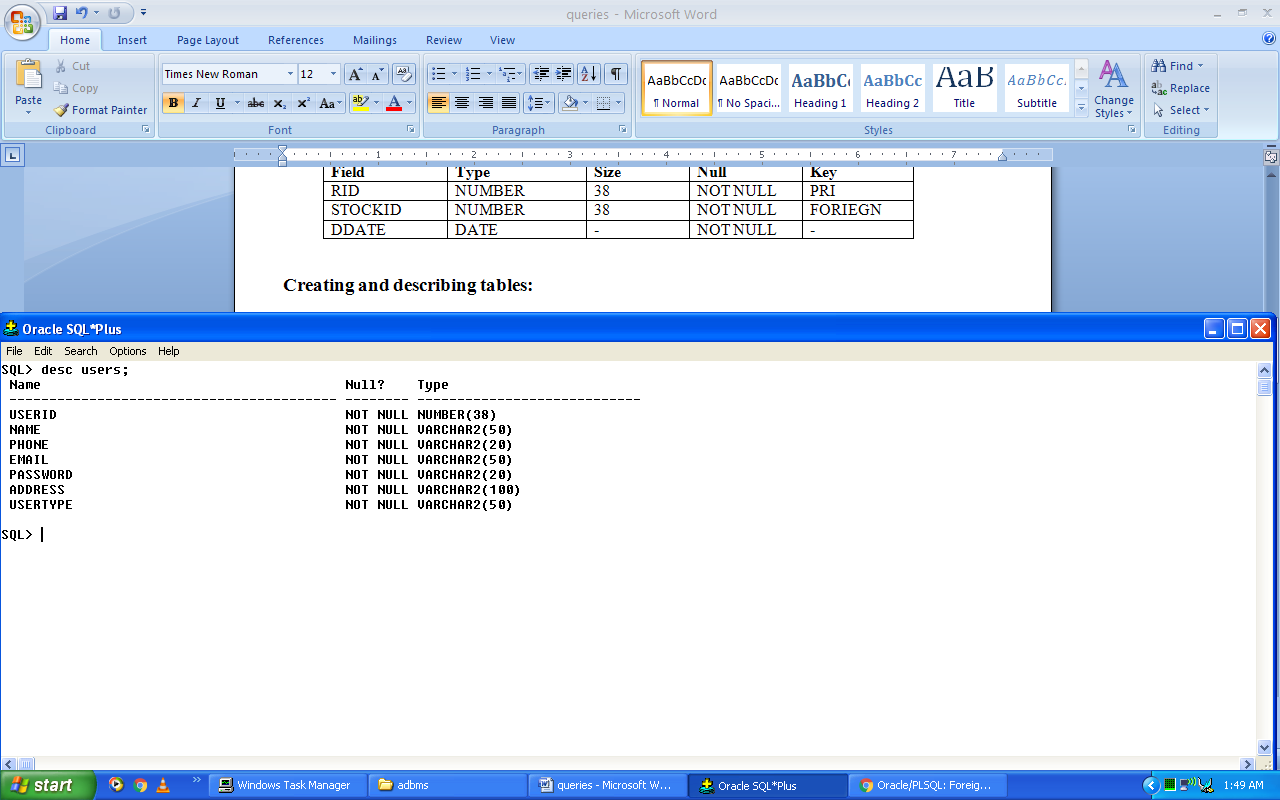
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Size** | **Null** | **Key** |
| TRANS\_ID | NUMBER | 38 | NOT NULL | PRIMARY |
| USERID | NUMBER | 38 | NOT NULL | FOREIGN |
| DDATE | DATE | - | NOT NULL | - |
| STOCKID | NUMBER | 38 | NOT NULL | FOREIGN |
| QUANTITY | NUMBER | 38 | NOT NULL | - |
| PRICE\_PER | NUMBER | 38 | NOT NULL | - |
| PRICE\_TOTAL | NUMBER | 38 | NOT NULL | - |

* **Feedback:**

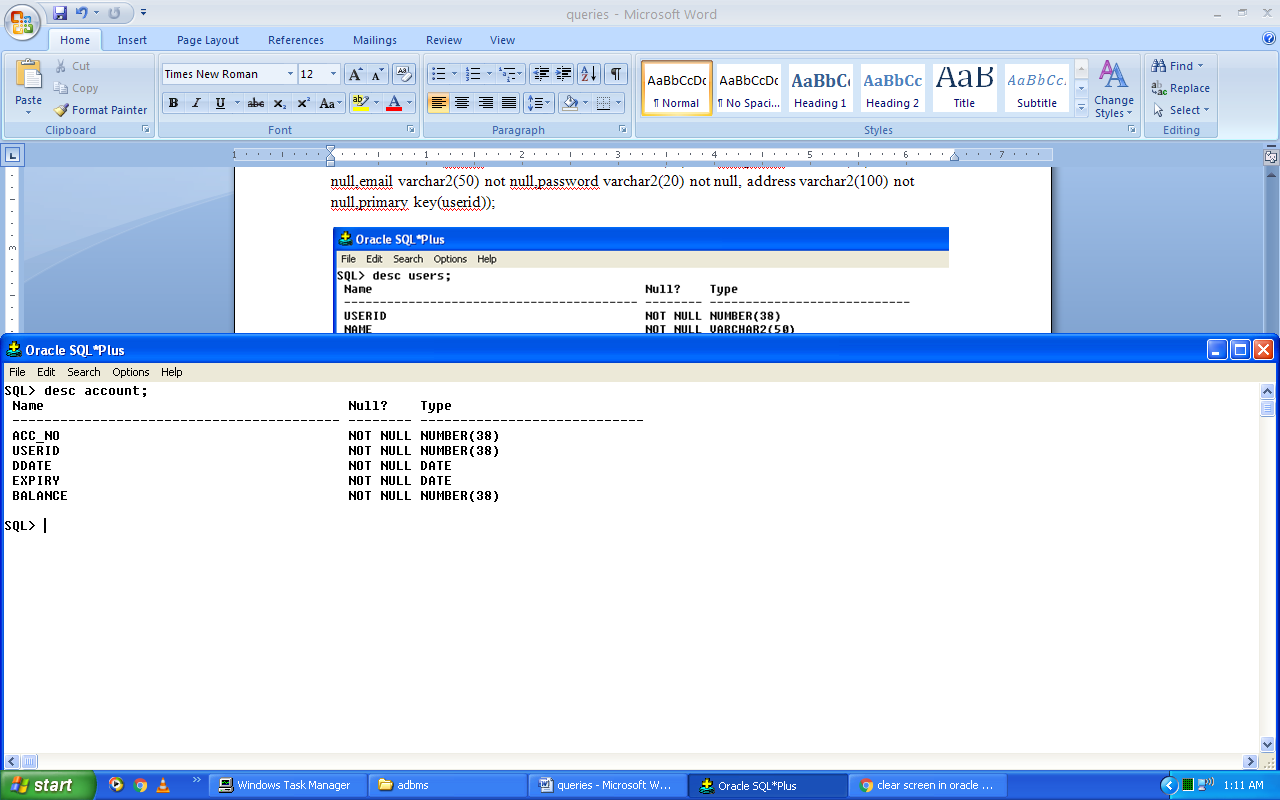
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **Size** | **Null** | **Key** |
| FID | NUMBER | 38 | NOT NULL | PRI |
| USERID | NUMBER | 38 | NOT NULL | FORIEGN |
| CONTENT | VARCHAR2 | 200 | NOT NULL | - |

1. **Creating and describing tables:**

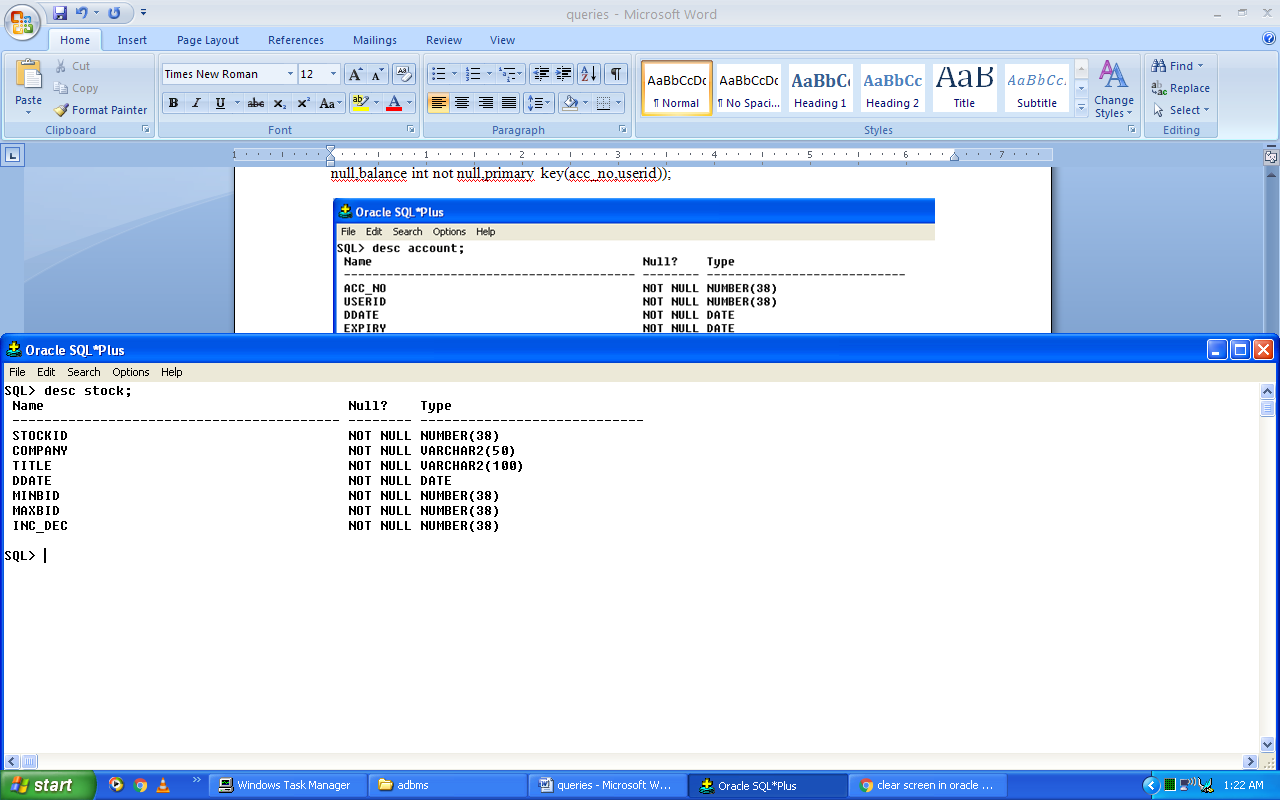
create table users(userid int not null, name varchar2(50) not null,phone varchar2(20) not null,email varchar2(50) not null,password varchar2(20) not null, address varchar2(100) not null,usertype varchar2(50) not null,primary key(userid));



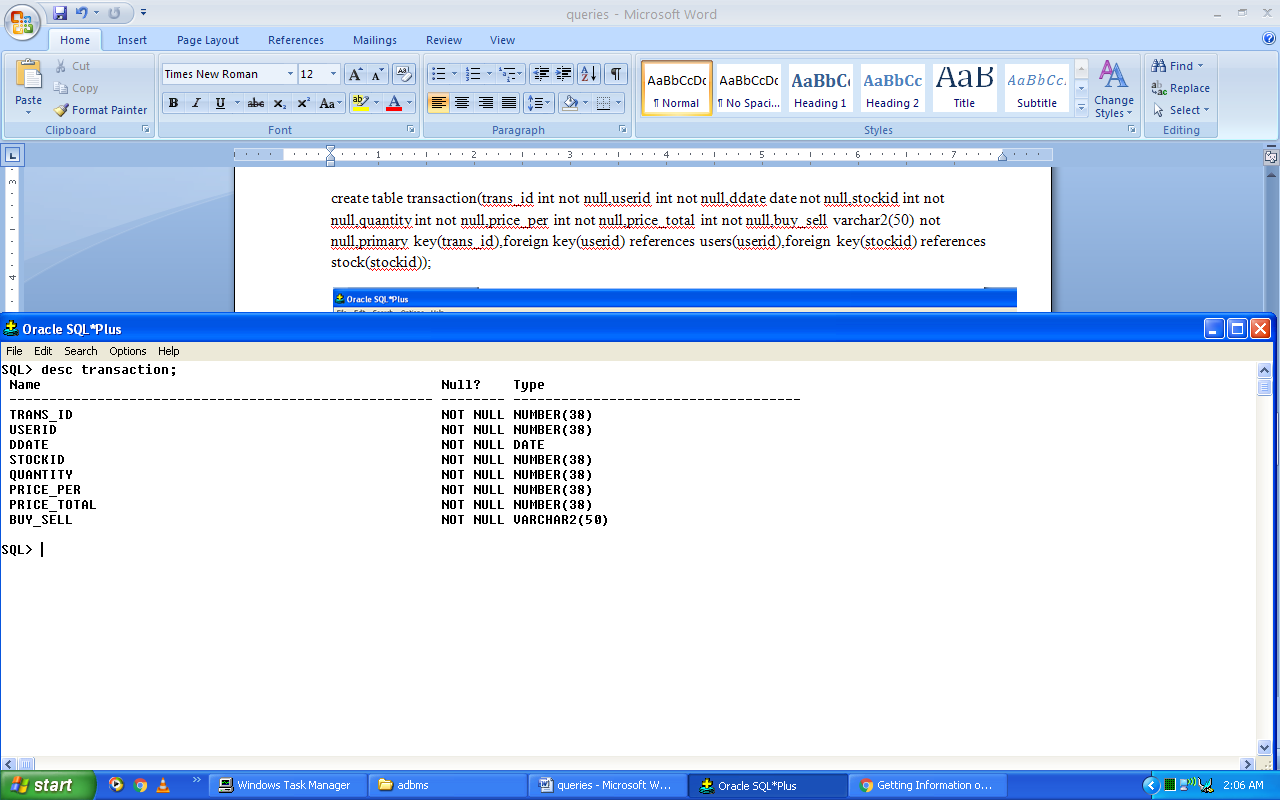
create table account(acc\_no int not null,userid int not null,ddate date not null,expiry date not null,balance int not null,primary key(acc\_no,userid));



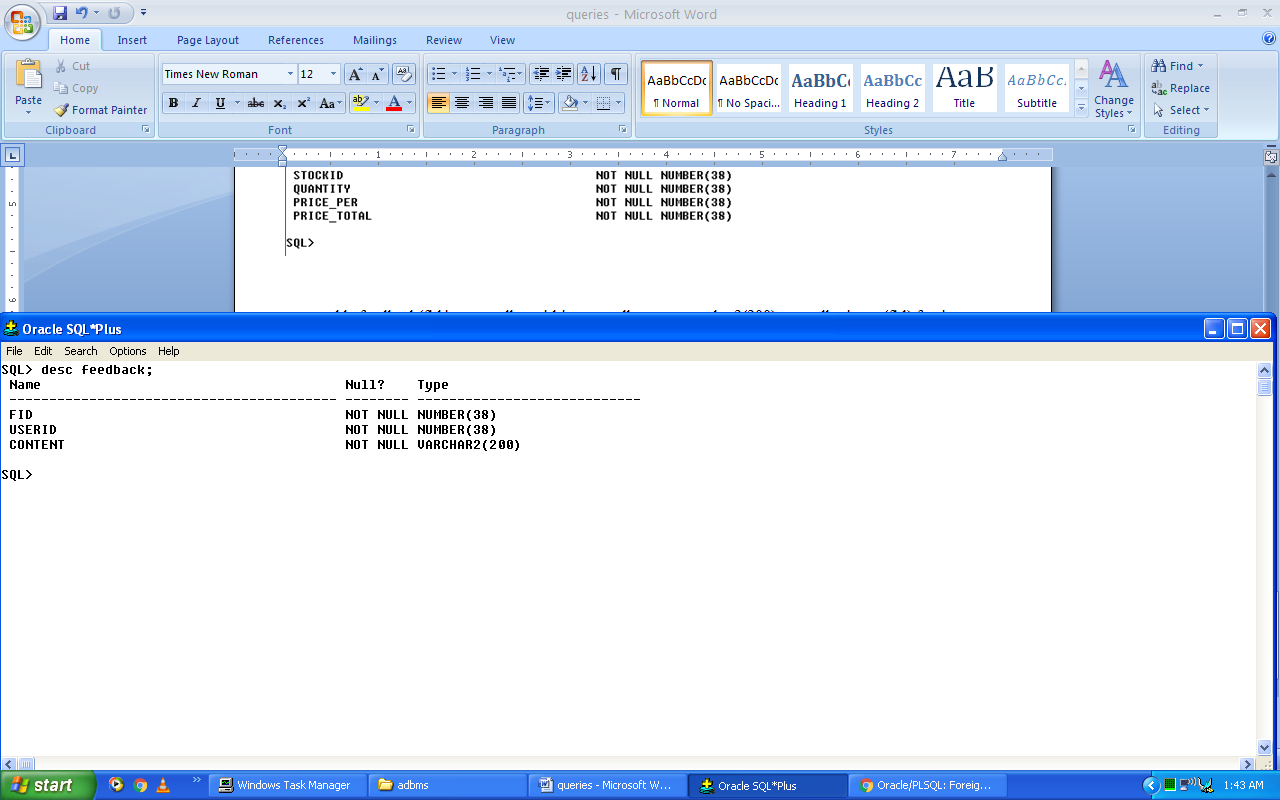
create table stock(stockid int not null,company varchar2(50) not null,title varchar2(100) not null,ddate date not null,minbid int not null,maxbid int not null,inc\_dec int not null,primary key(stockid));



create table transaction(trans\_id int not null,userid int not null,ddate date not null,stockid int not null,quantity int not null,price\_per int not null,price\_total int not null,buy\_sell varchar2(50) not null,primary key(trans\_id),foreign key(userid) references users(userid),foreign key(stockid) references stock(stockid));



create table feedback(fid int not null,userid int not null,content varchar2(200) not null,primary(fid),foreign key(userid) references users(userid));



1. **Creating sequences for auto incremental fields**

create sequence user\_seq start with 1 increment by 1 nocache nocycle;

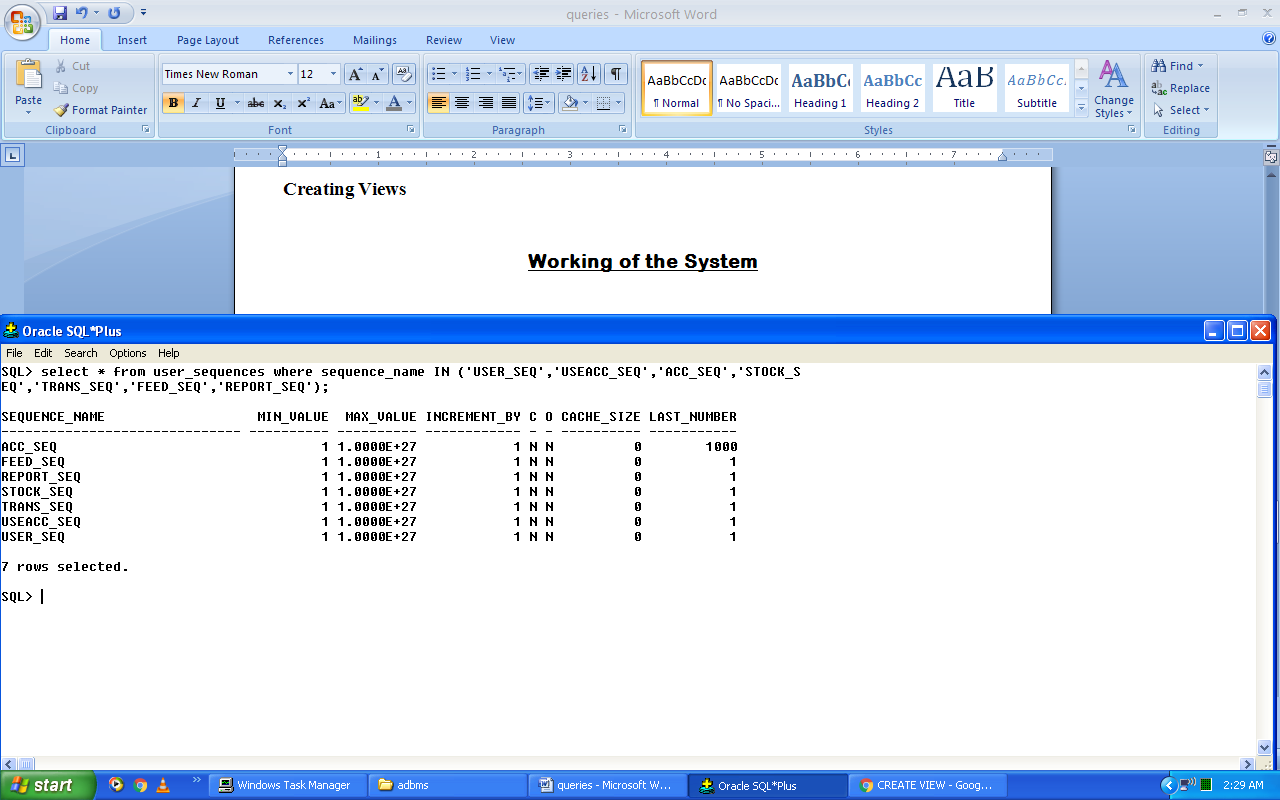
create sequence useacc\_seq start with 1 increment by 1 nocache nocycle;

create sequence acc\_seq start with 1000 increment by 1 nocache nocycle;

create sequence stock\_seq start with 1 increment by 1 nocache nocycle;

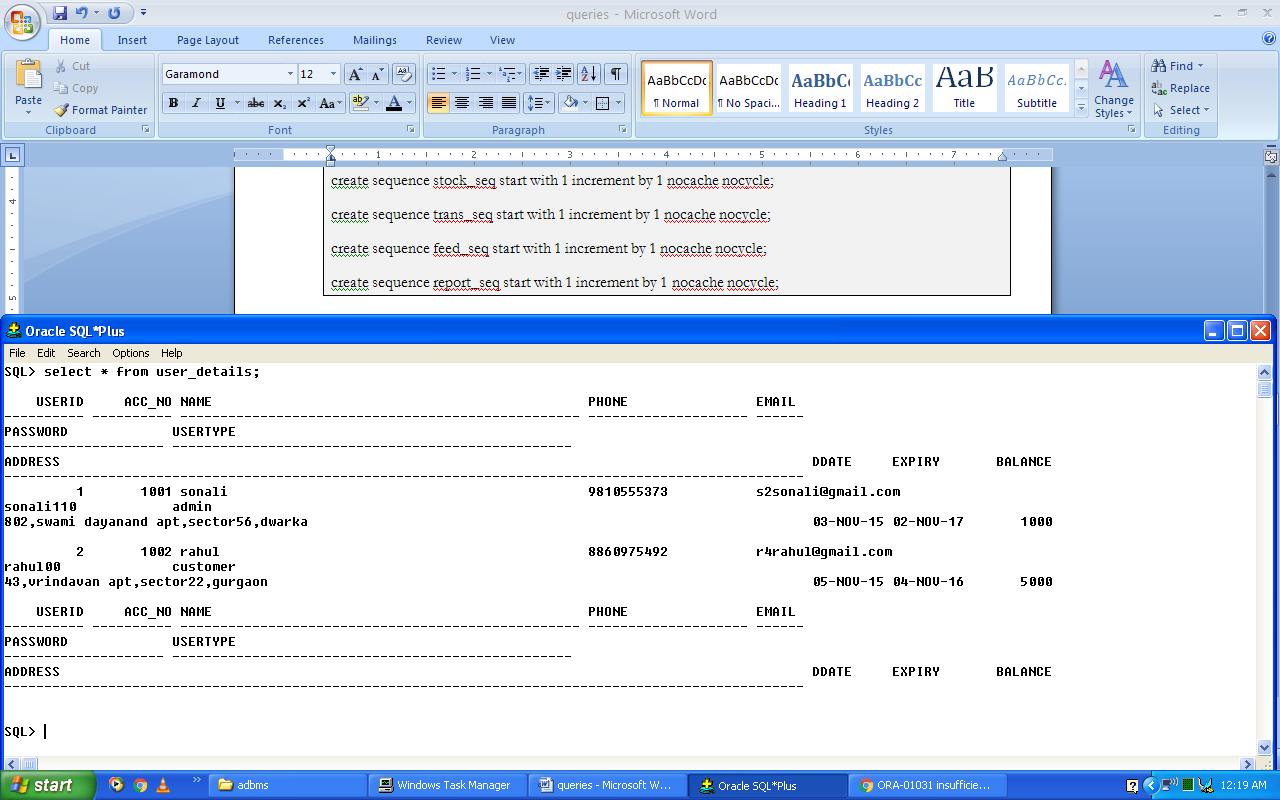
create sequence trans\_seq start with 1 increment by 1 nocache nocycle;

create sequence feed\_seq start with 1 increment by 1 nocache nocycle;



1. **Creating Views**

create view user\_details as select users.userid as userid,acc\_no,name,phone,email,password,user type,address,ddate,expiry,balance from users inner join account on users.userid=account.userid;



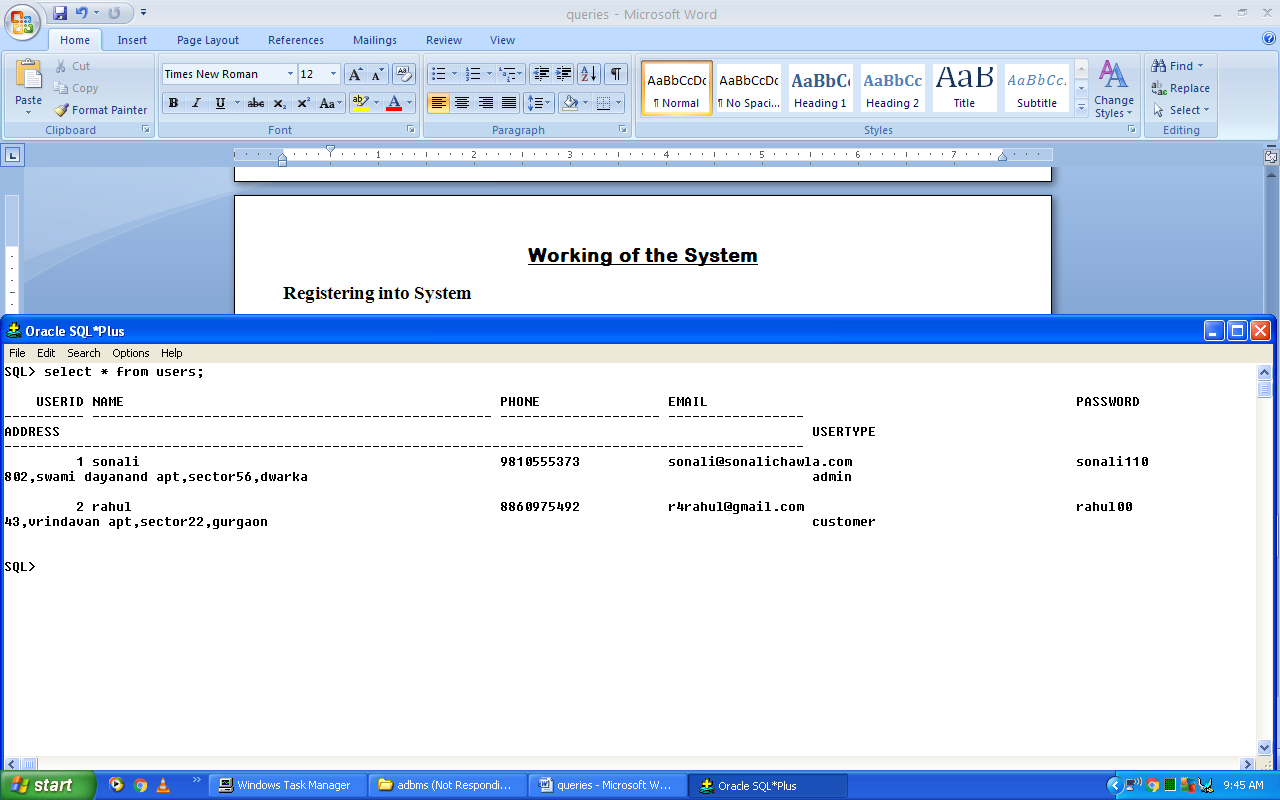
**Working of the System**

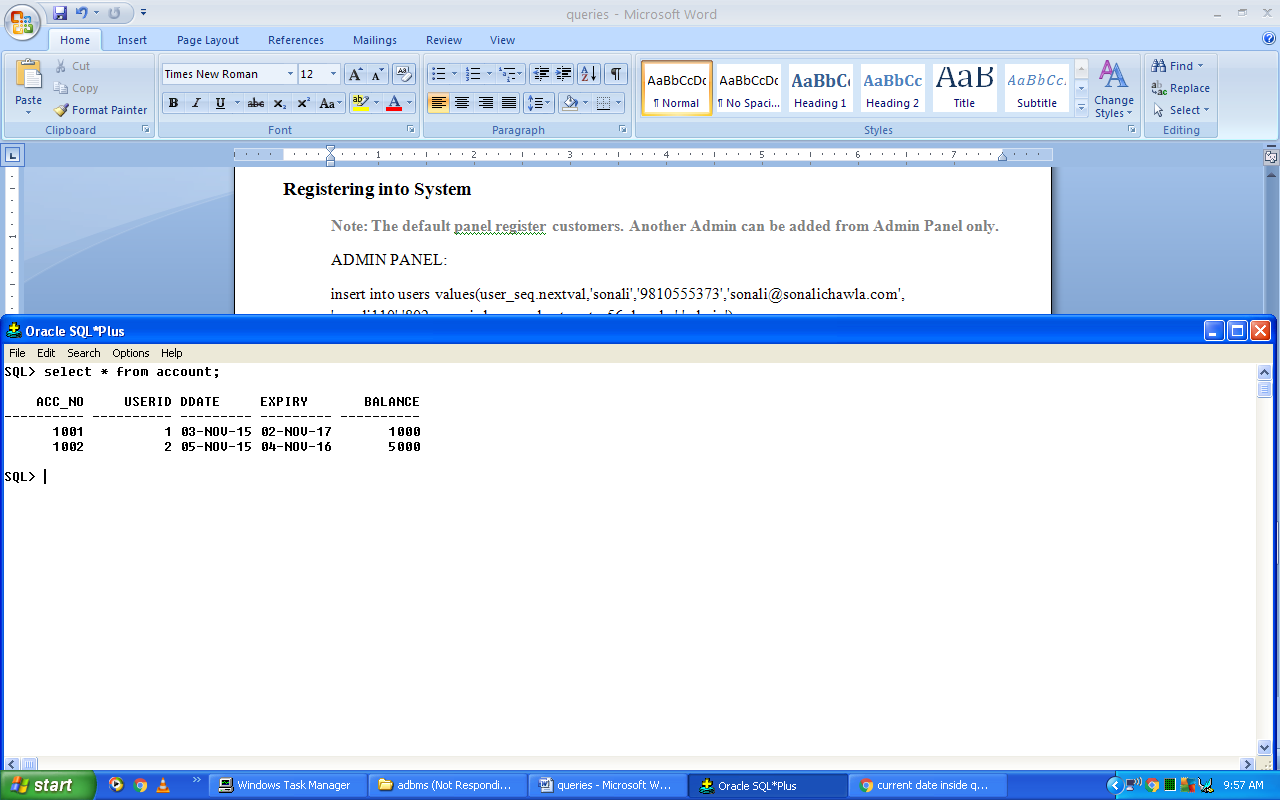
ADMIN PANEL

1. **Registering into System**

insert into users values(user\_seq.nextval,'sonali','9810555373','sonali@sonalichawla.com', 'sonali110','802,swami dayanand apt,sector56,dwarka','admin');

insert into account values(acc\_seq.nextval,useacc\_seq.nextval,'03-NOV-15','02-NOV-17',1000);





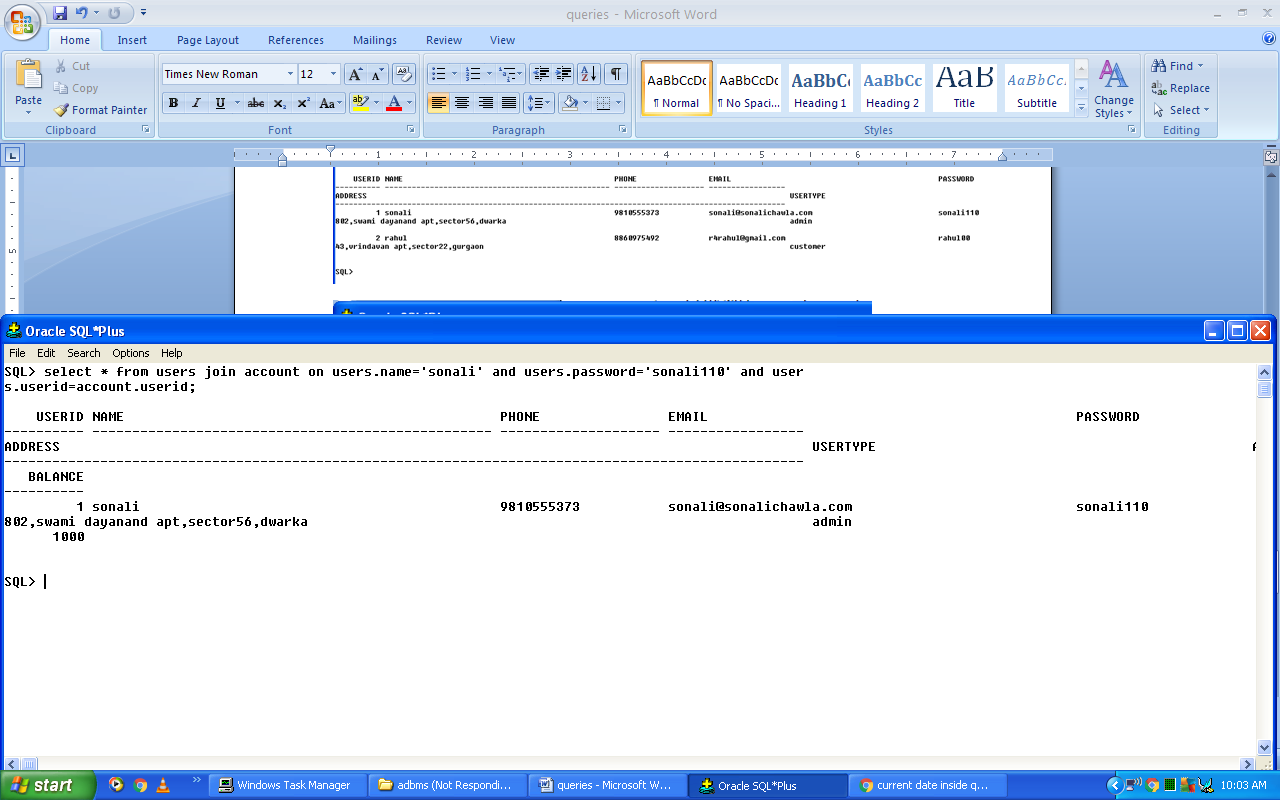
Note:

Every admin will be registered for 2years initially.

After registering, admin will be redirected to the login panel.

1. **Login into system**

select \* from users join account on users.name='sonali' and users.password='sonali110' and users.userid=account.userid;

****

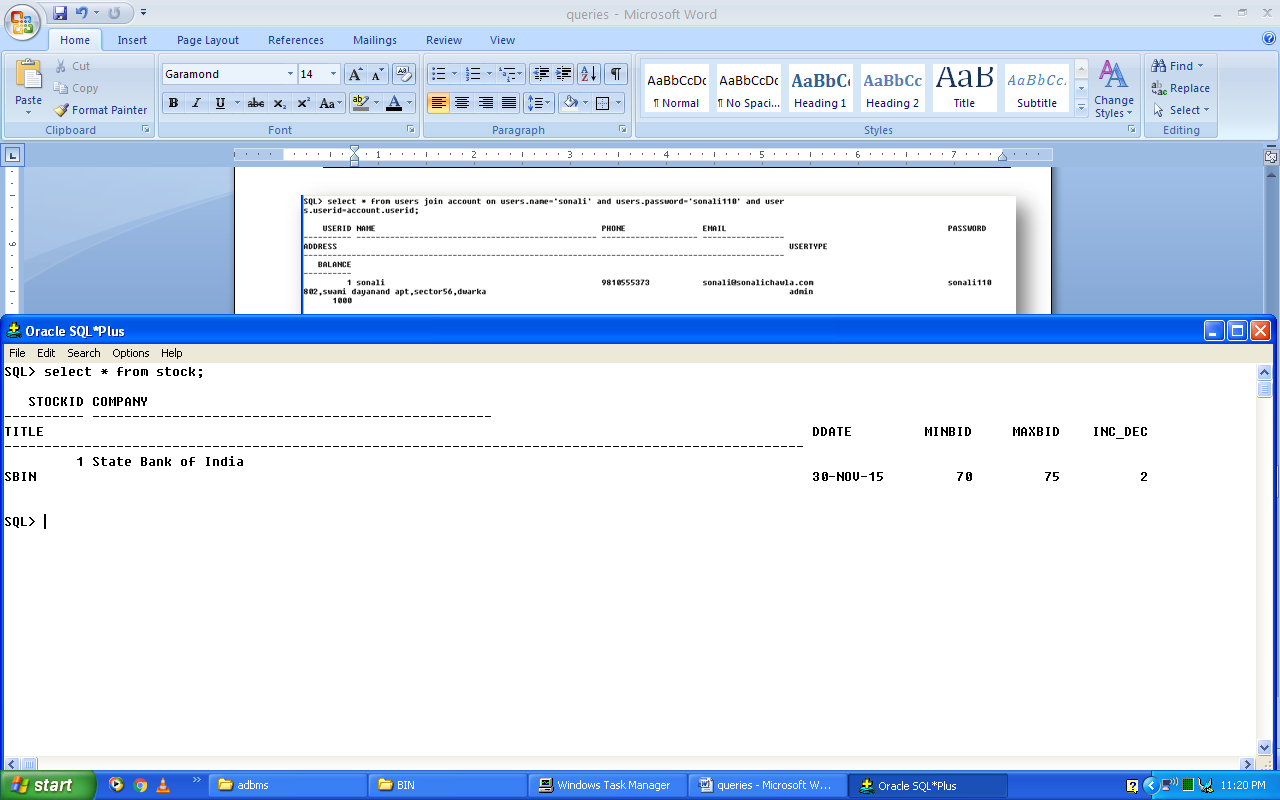
Note:

If login credentials match with the entry, the admin is redirected to welcome panel.

If login credentials do not match with the entry, the admin is redirected to the failure page.

1. **Enter New Stock**

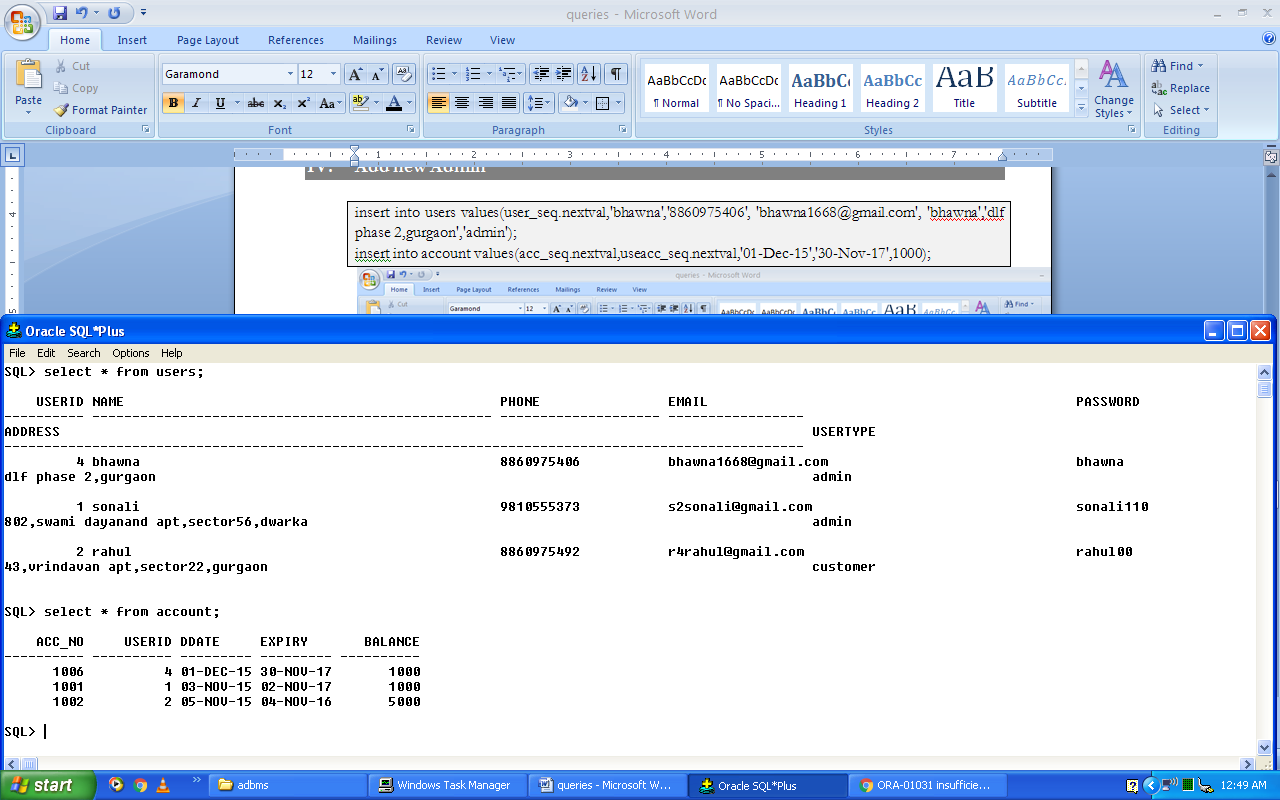
insert into stock values(stock\_seq.nextval,'State Bank of India','SBIN','30-Nov-15',70,75,2);



1. **Add new Admin**

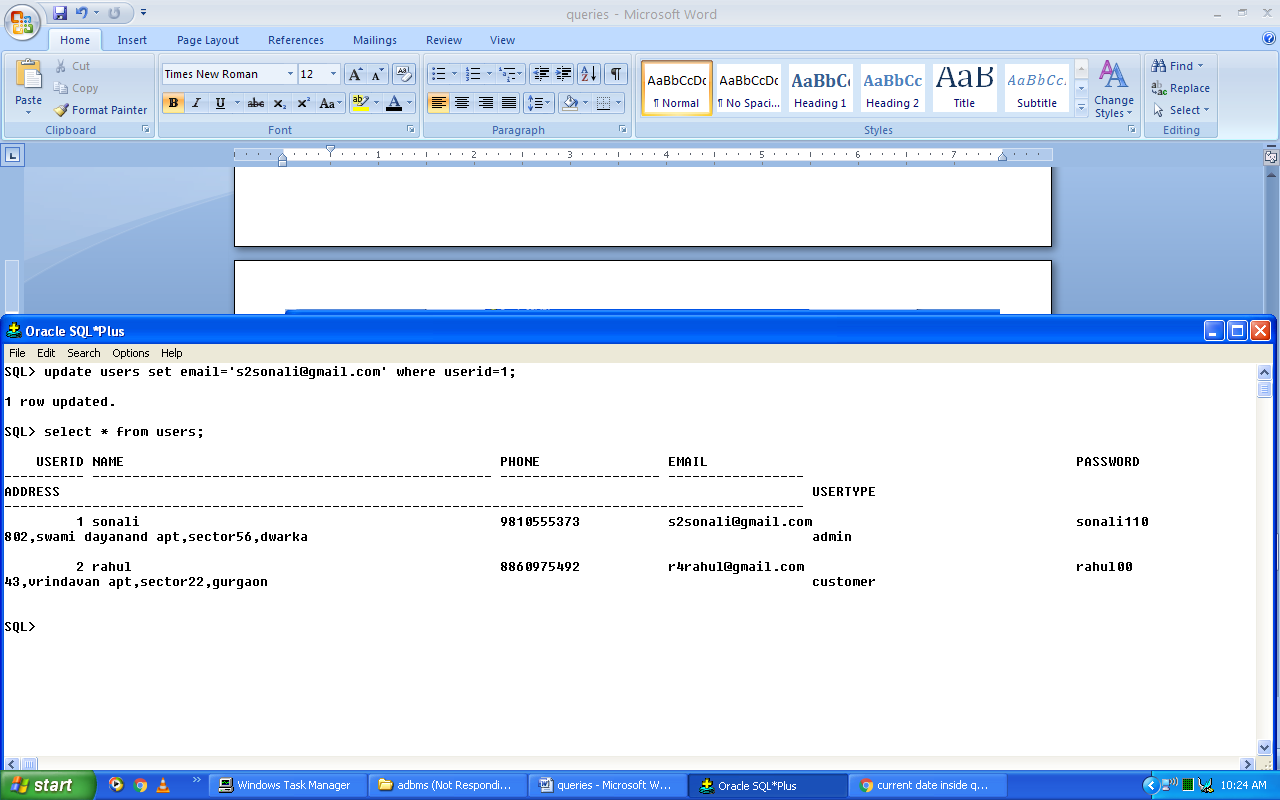
insert into users values(user\_seq.nextval,'bhawna','8860975406', 'bhawna1668@gmail.com', 'bhawna','dlf phase 2,gurgaon','admin');

insert into account values(acc\_seq.nextval,useacc\_seq.nextval,'01-Dec-15','30-Nov-17',1000);

****

1. **Modify User Details**

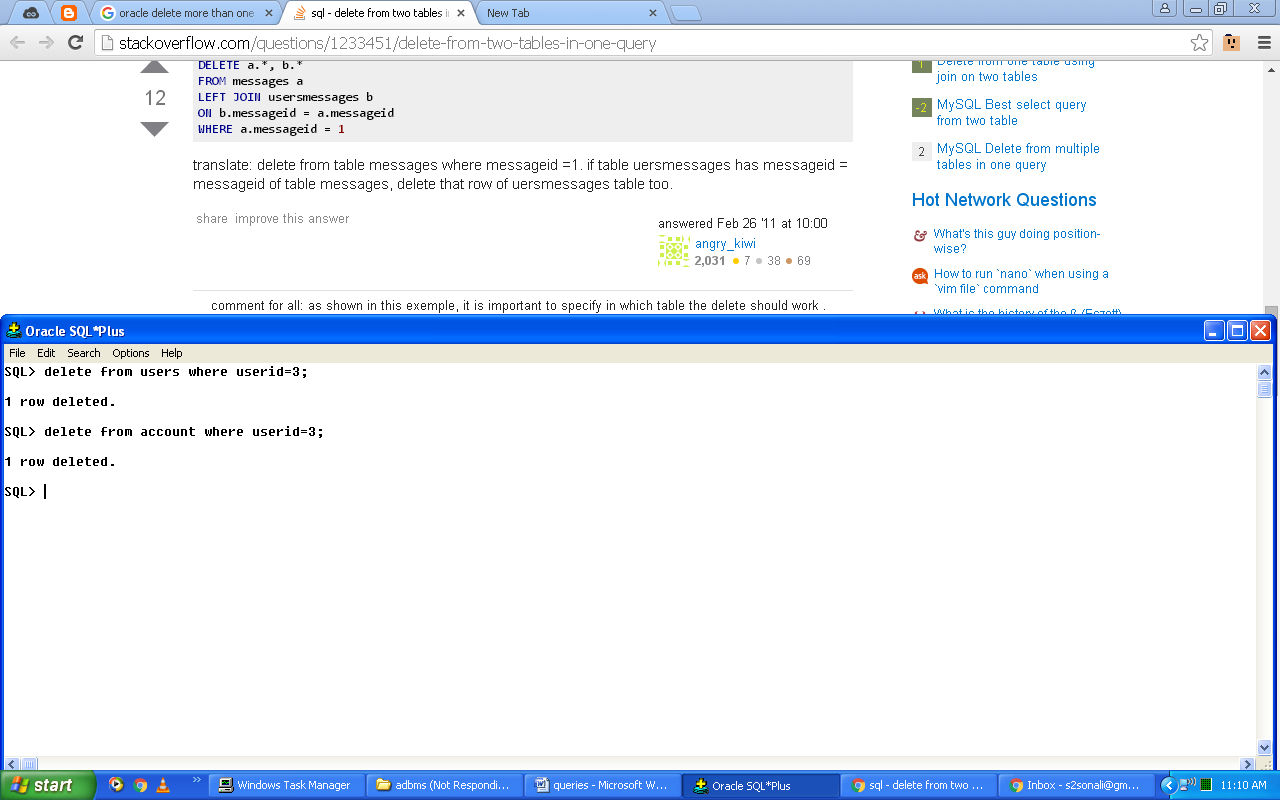
update users set email='s2sonali@gmail.com' where userid=1;

****

1. **Delete User**

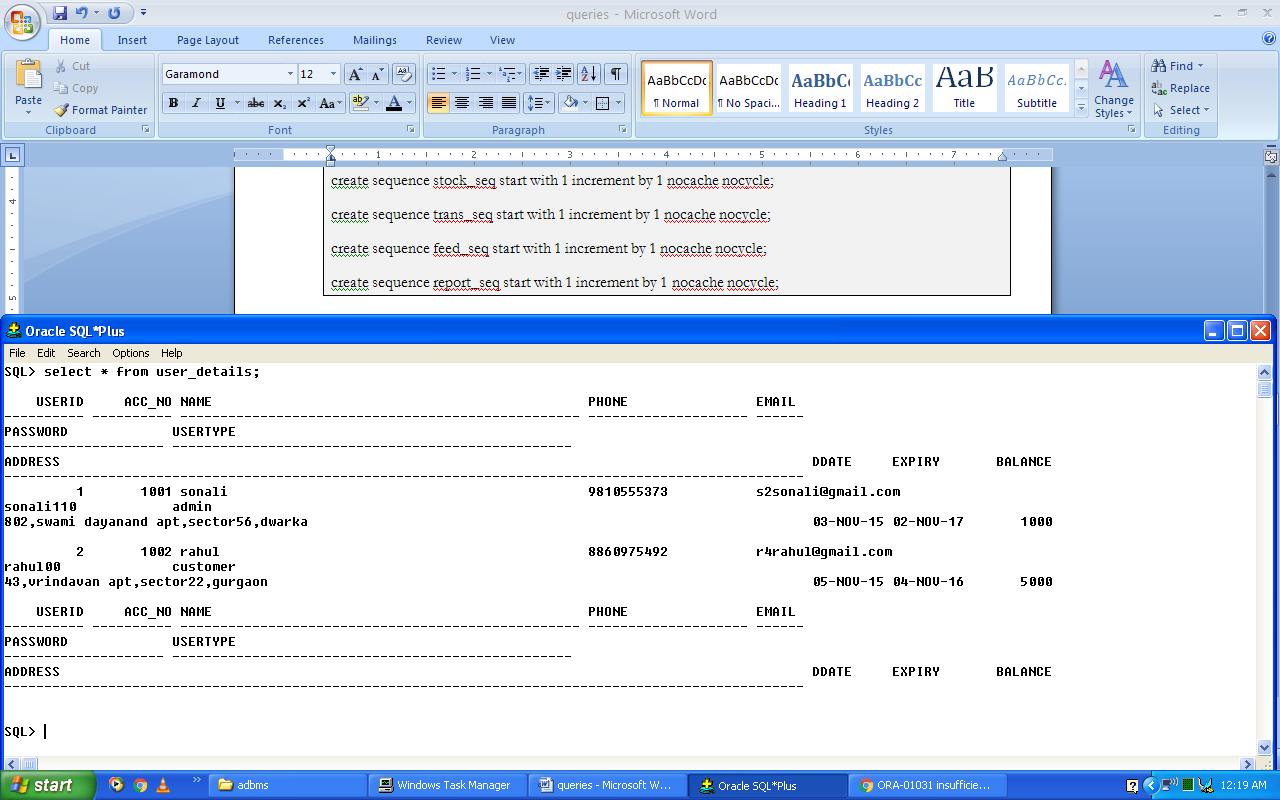
delete from users where userid=3;

delete from account where userid=3;

****

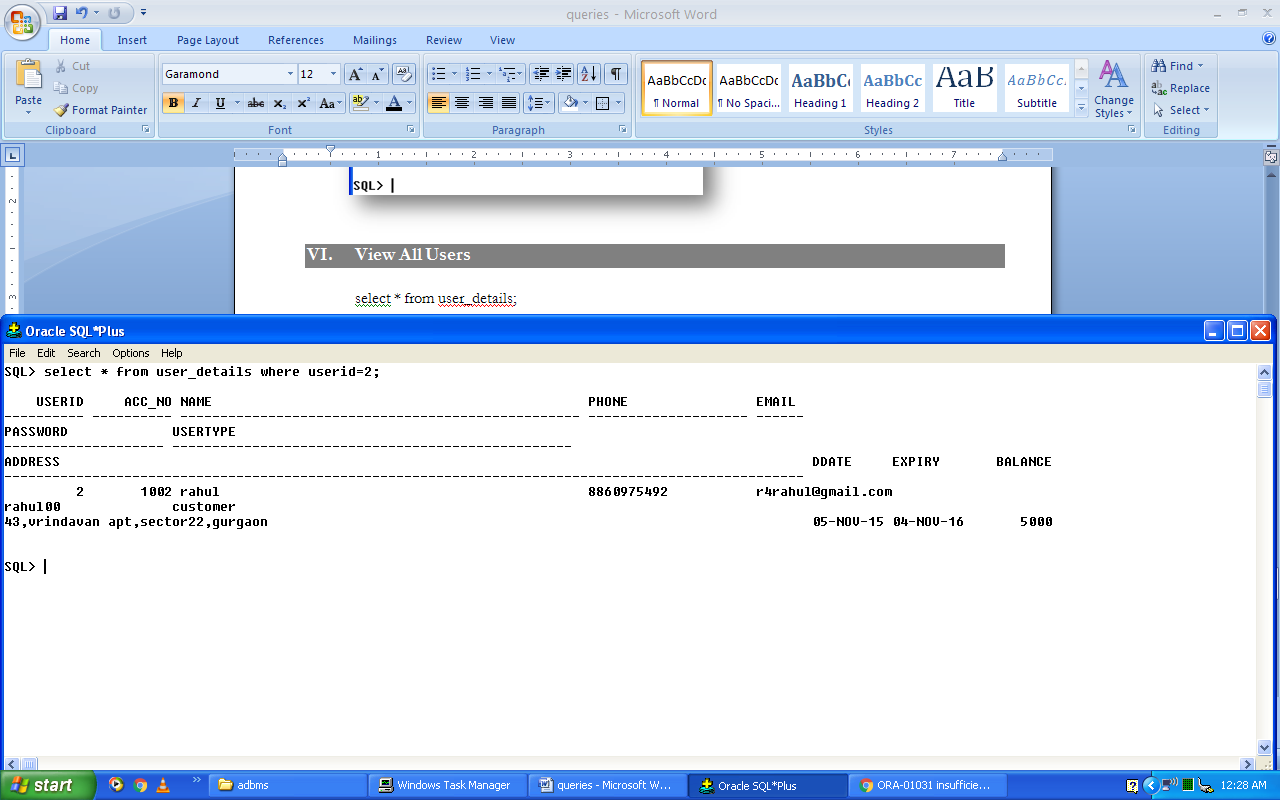
1. **View All Users**

select \* from user\_details;

****

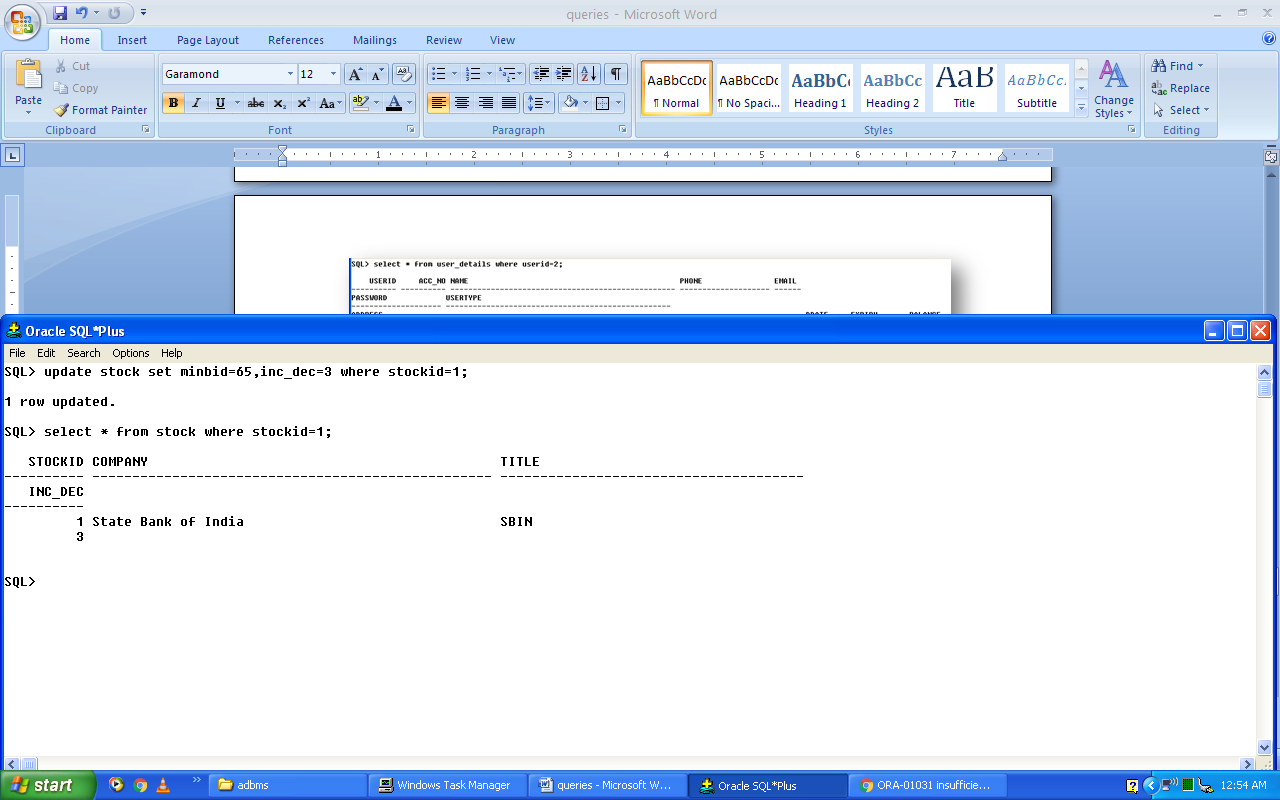
1. **View Selected User**

select \* from user\_details where userid=2;

****

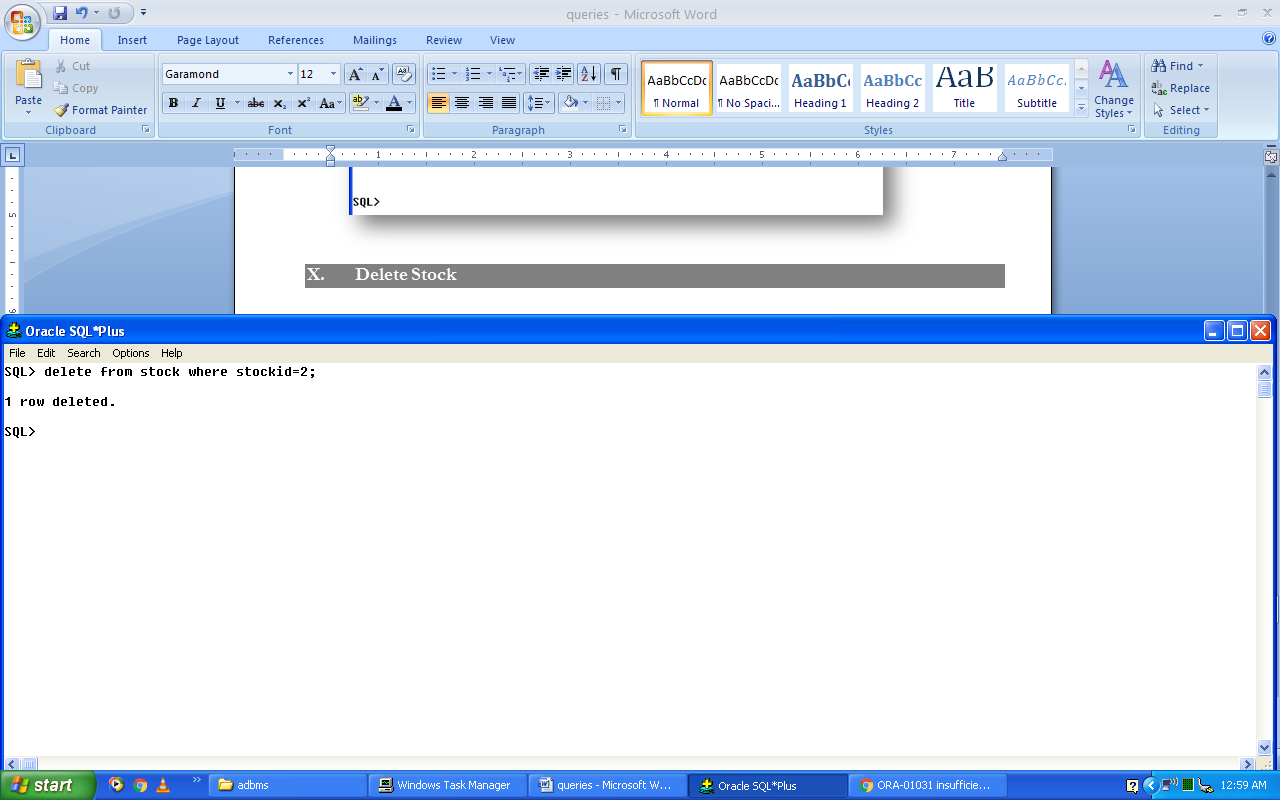
1. **Modify Stock Details**

update stock set minbid=65,inc\_dec=3 where stockid=1;

****

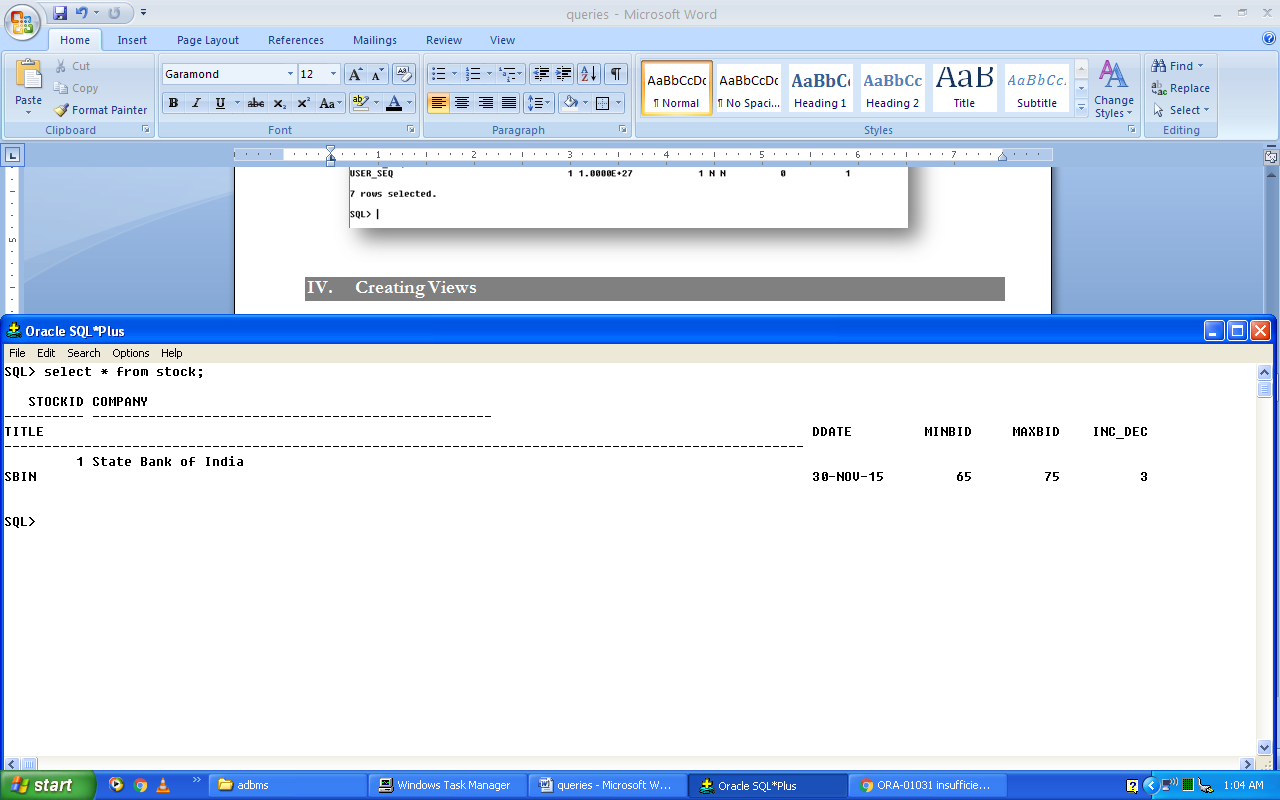
1. **Delete Stock**

delete from stock where stockid=2;

****

1. **View Stocks**

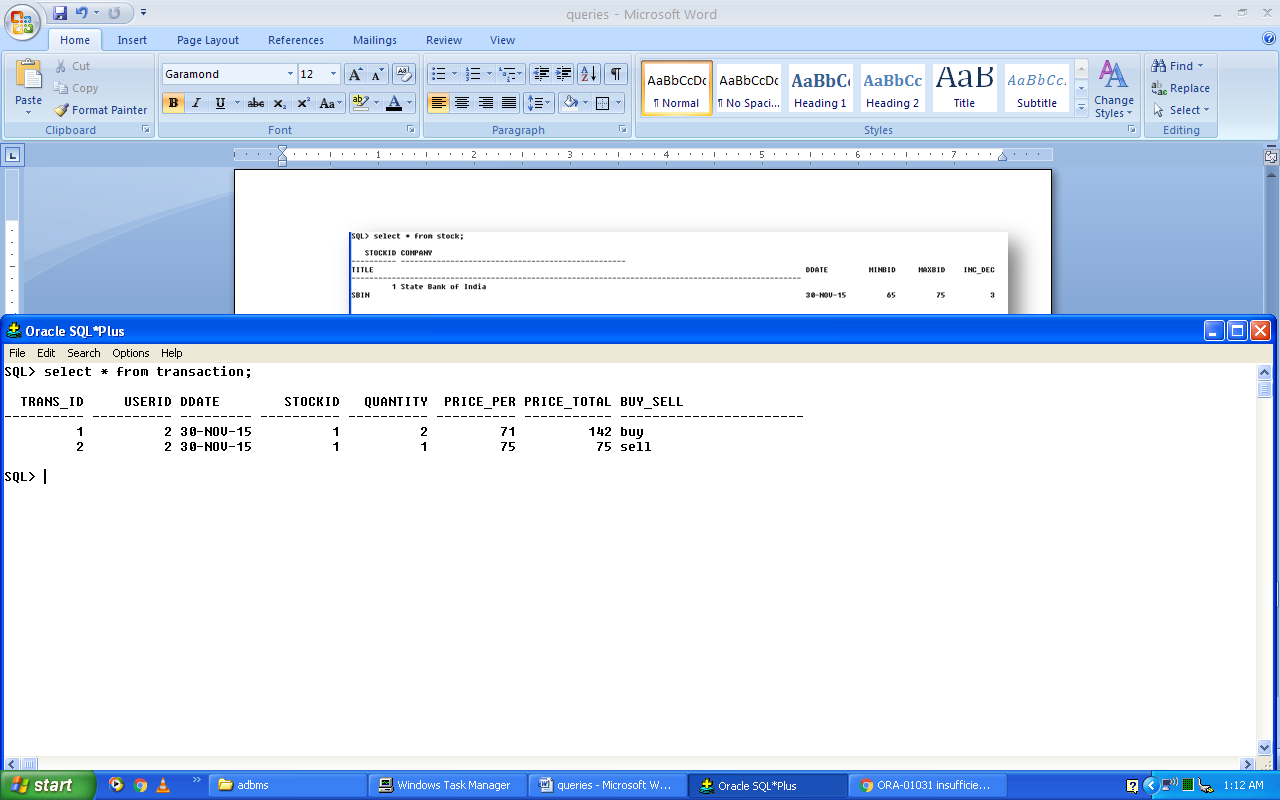
select \* from stock;

****

1. **Buy/Sell Stock**

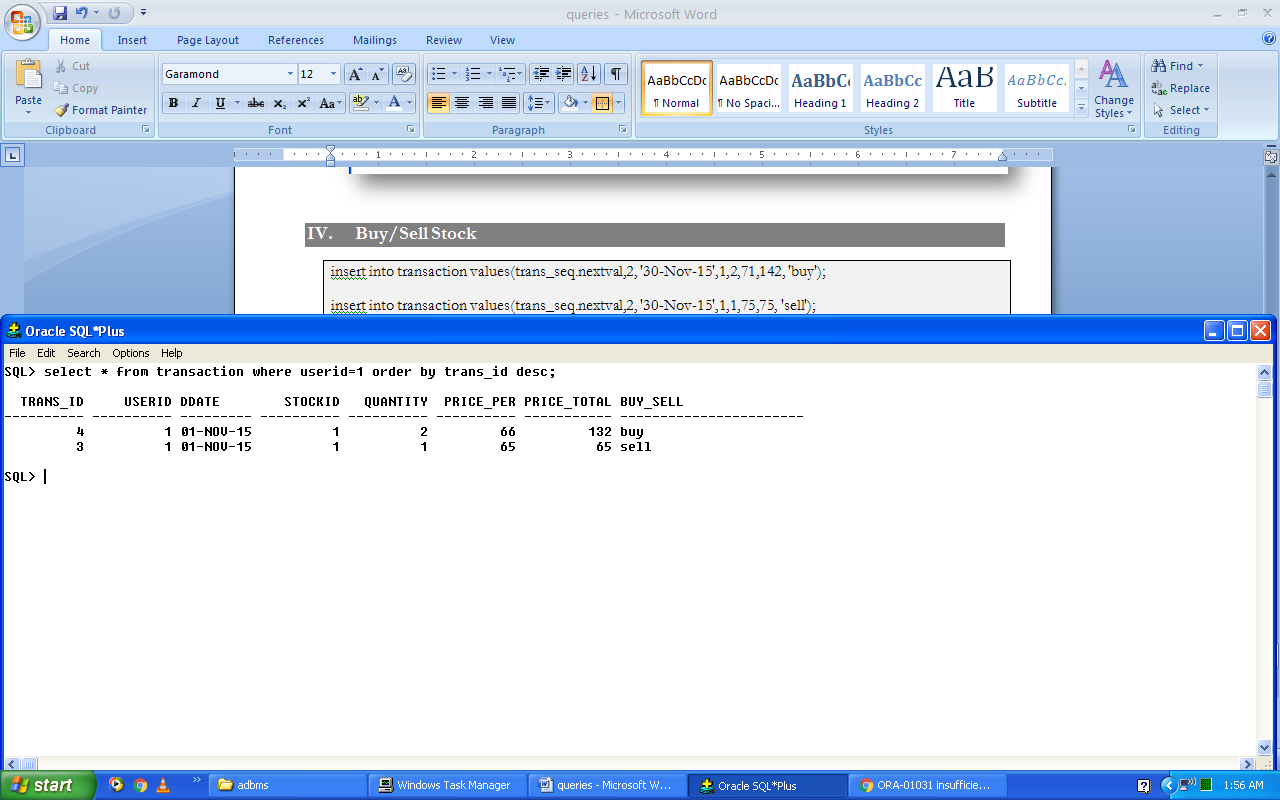
insert into transaction values(trans\_seq.nextval,1,'01-Nov-2015',1,1,65,65,'sell');

insert into transaction values(trans\_seq.nextval,1,'01-Nov-2015',1,2,66,132,'buy');

****

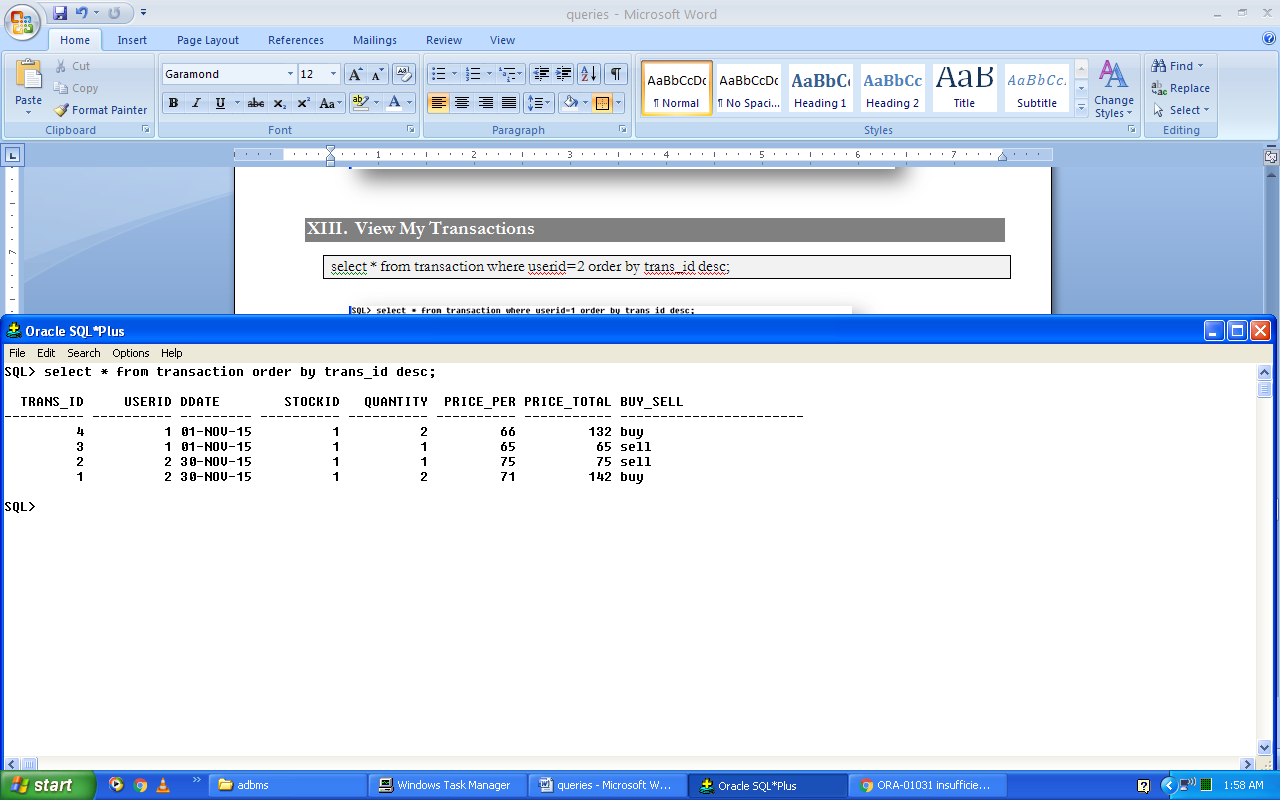
1. **View My Transactions**

select \* from transaction where userid=2 order by trans\_id desc;

****

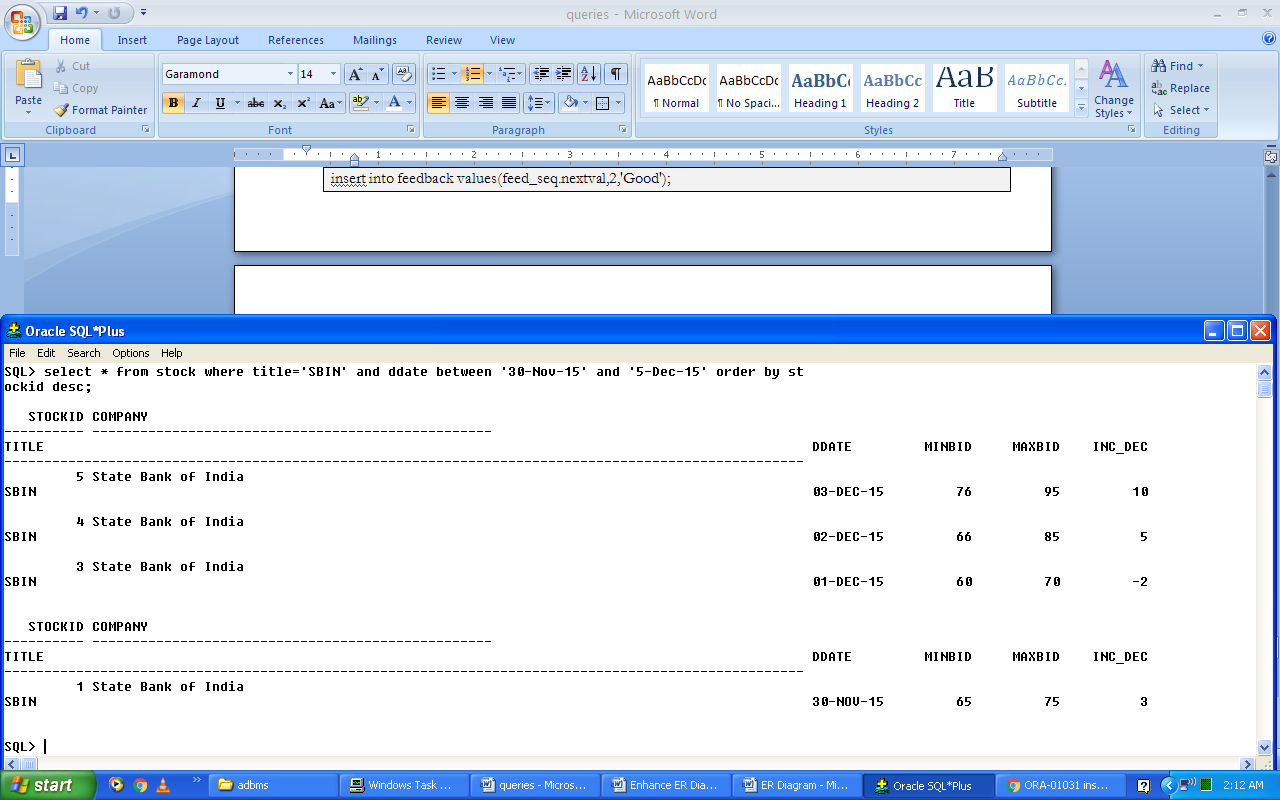
1. **View All Transactions**

select \* from transaction order by trans\_id desc;

****

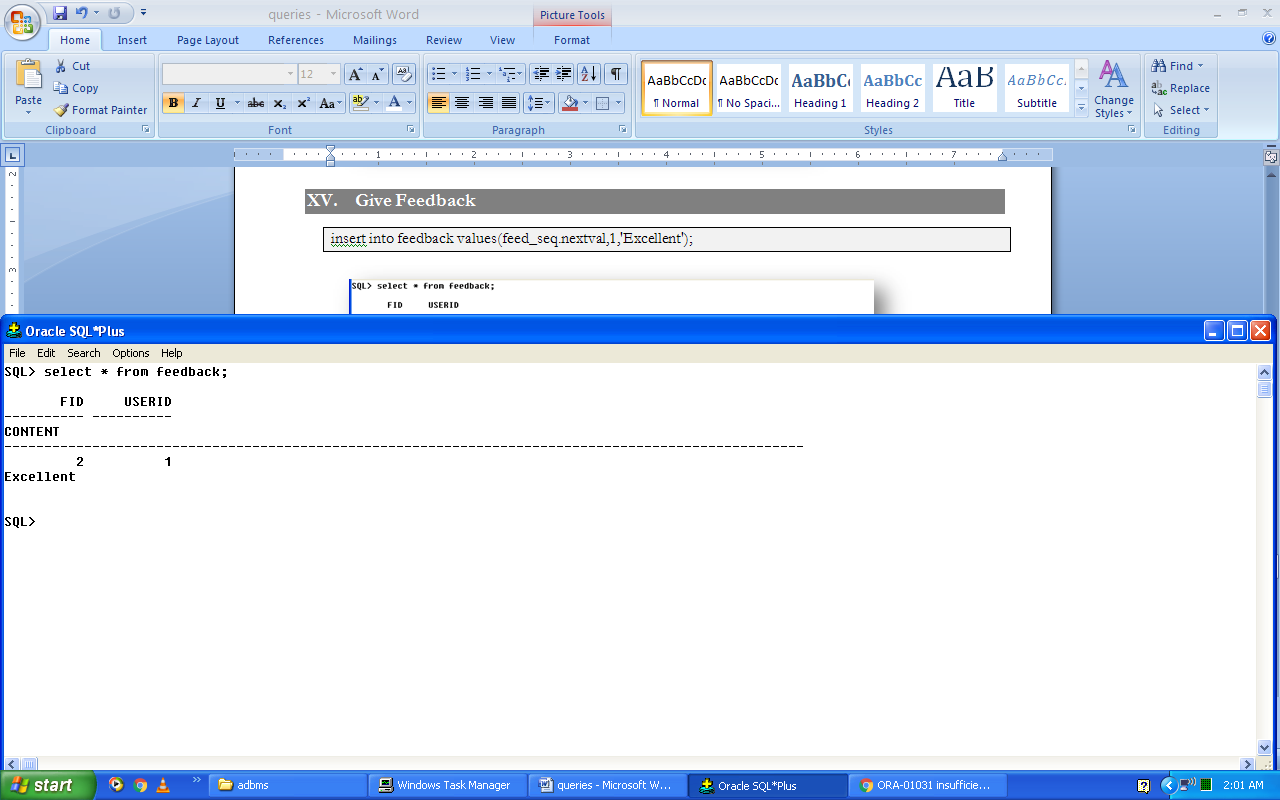
1. **View Stock Report**

select \* from stock where title='SBIN' and ddate between '30-Nov-15' and '5-Dec-15' order by st ockid desc;

****

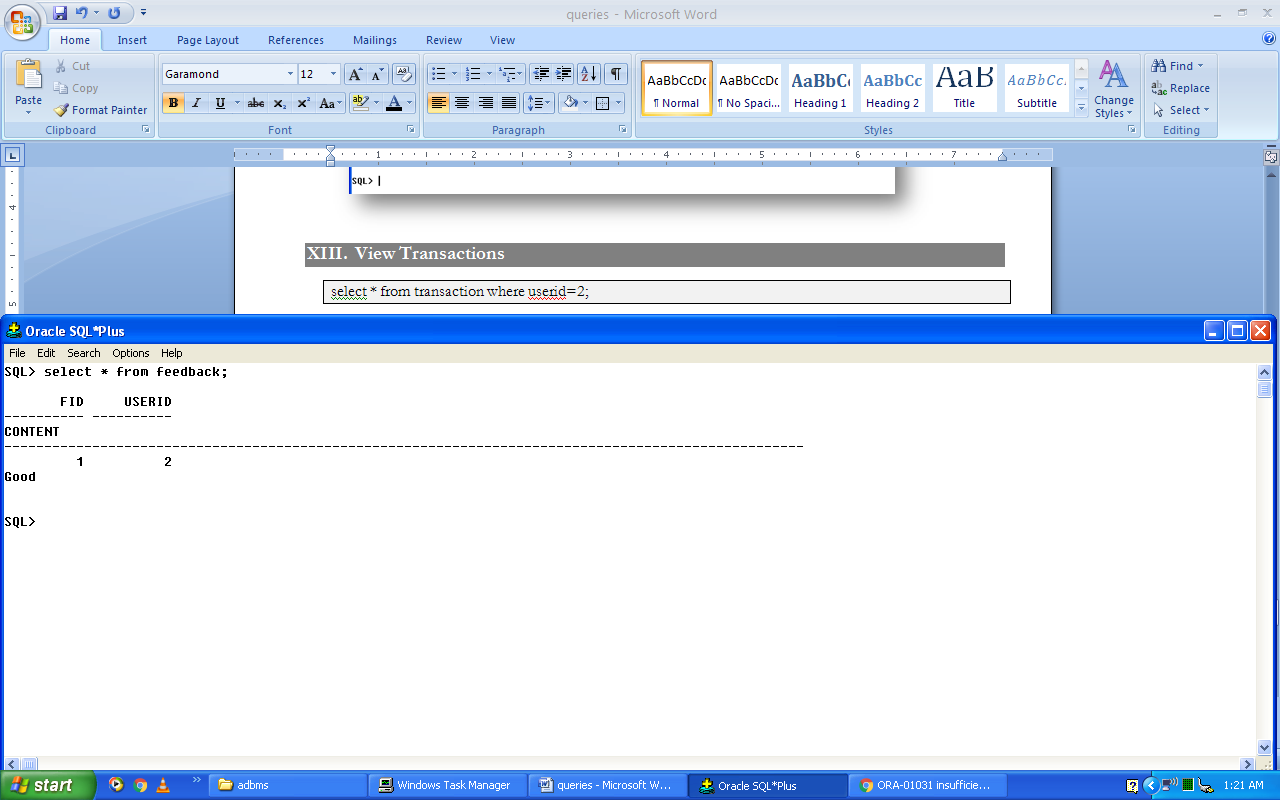
1. **Give Feedback**

insert into feedback values(feed\_seq.nextval,1,'Excellent');

****

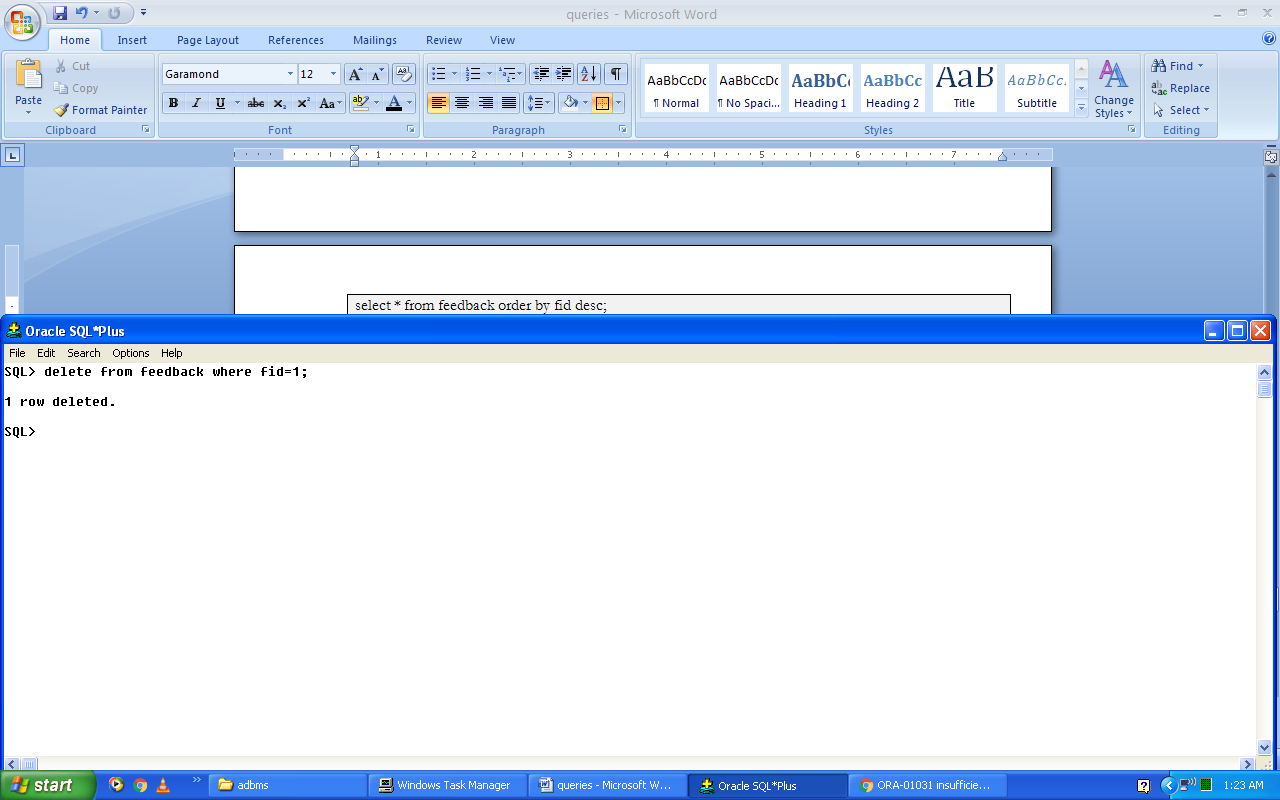
1. **View Feedback**

select \* from feedback order by fid desc;

****

1. **Delete Feedback**

delete from feedback where fid=1;

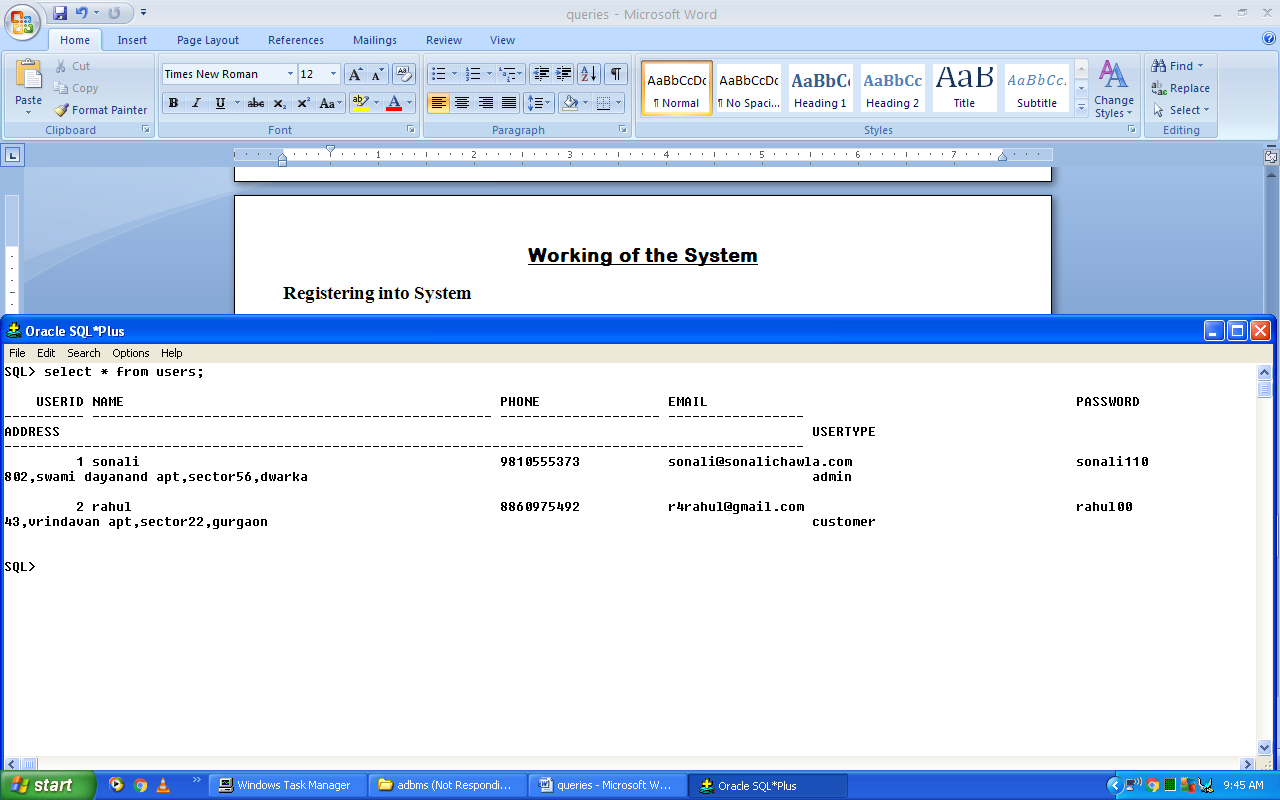
****

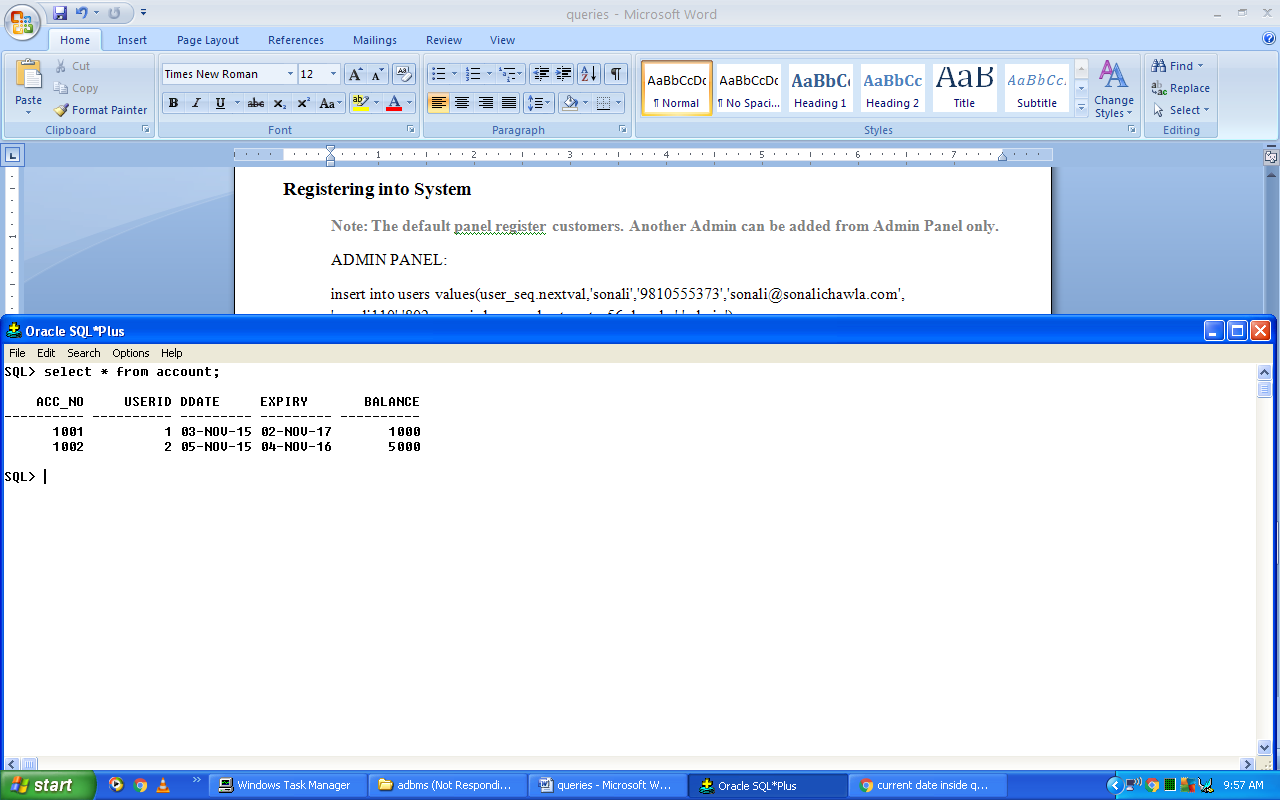
CUSTOMER PANEL

1. **Registering into System**

insert into users values(user\_seq.nextval,'rahul','8860975492','r4rahul@gmail.com', 'rahul00','43,vrindavan apt,sector22,gurgaon','customer');

insert into account values(acc\_seq.nextval,useacc\_seq.nextval,'05-NOV-15','04-NOV-16',5000);





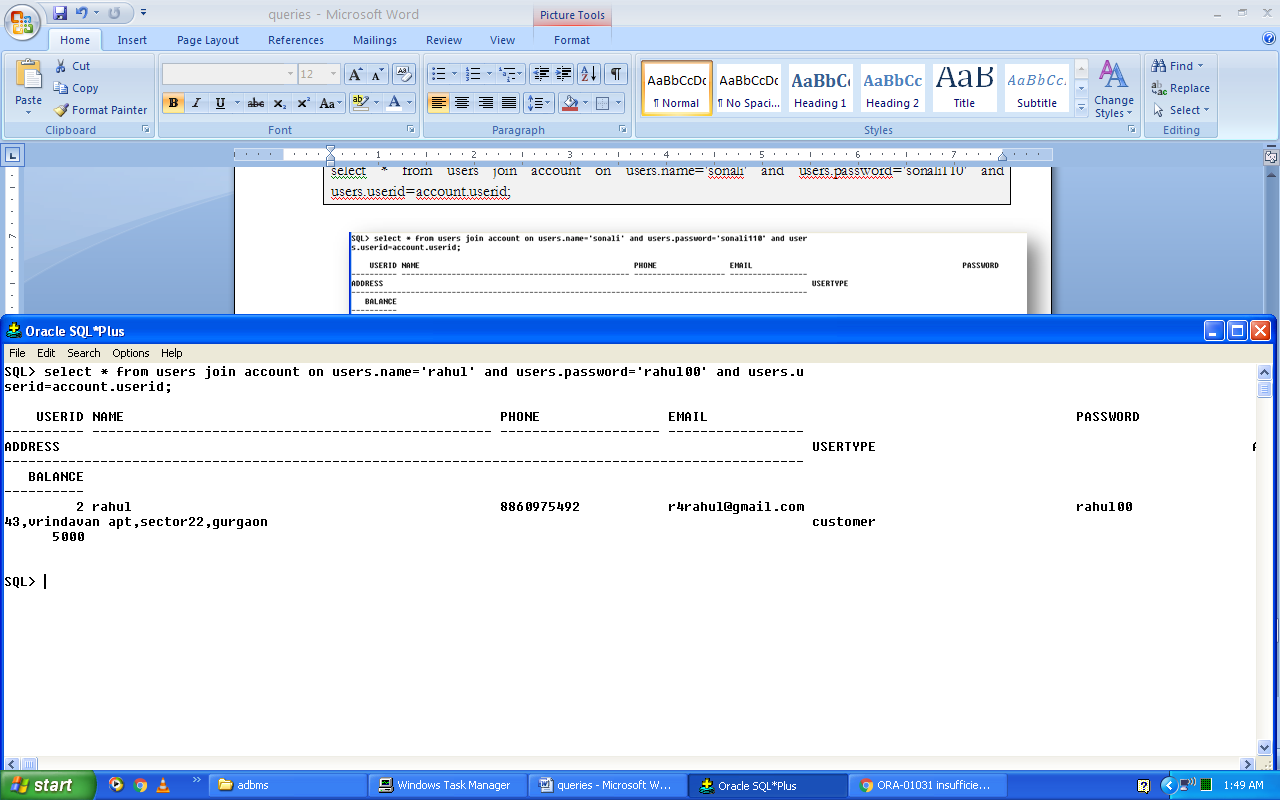
Note:

Every customer will be registered for 1years initially.

After registering, customer will be redirected to the login panel.

1. **Login into system**

select \* from users join account on users.name='rahul' and users.password='rahul00' and users.userid=account.userid;

****

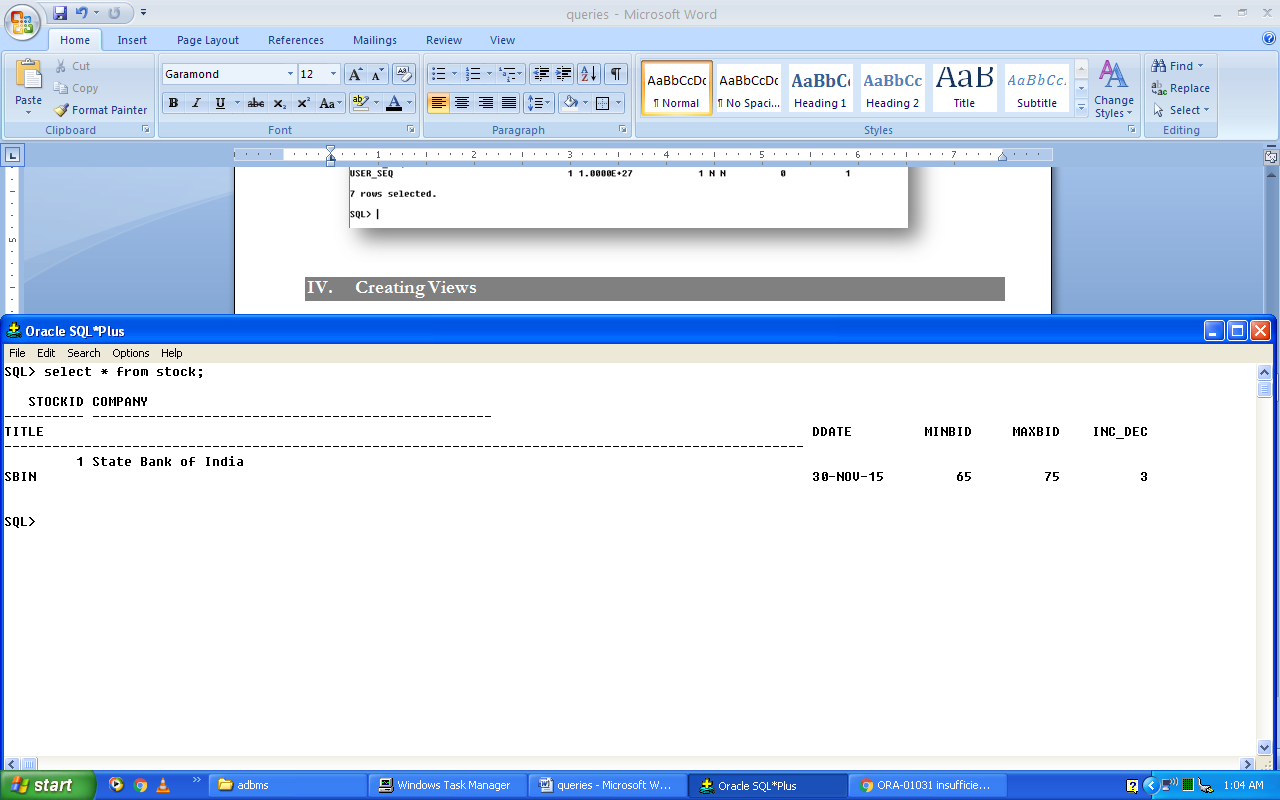
Note:

If login credentials match with the entry, the customer is redirected to welcome panel.

If login credentials do not match with the entry, the customer is redirected to the failure page.

1. **View Stocks**

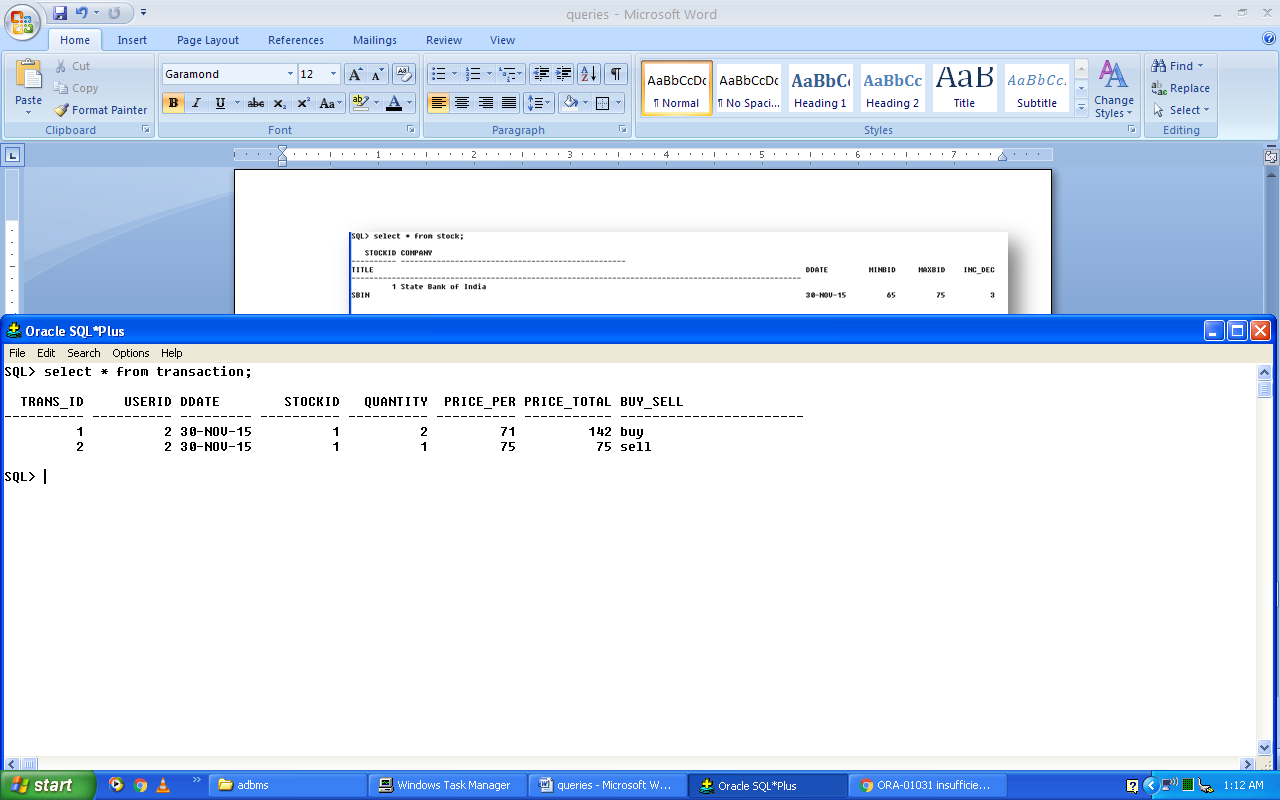
select \* from stock;

****

1. **Buy/Sell Stock**

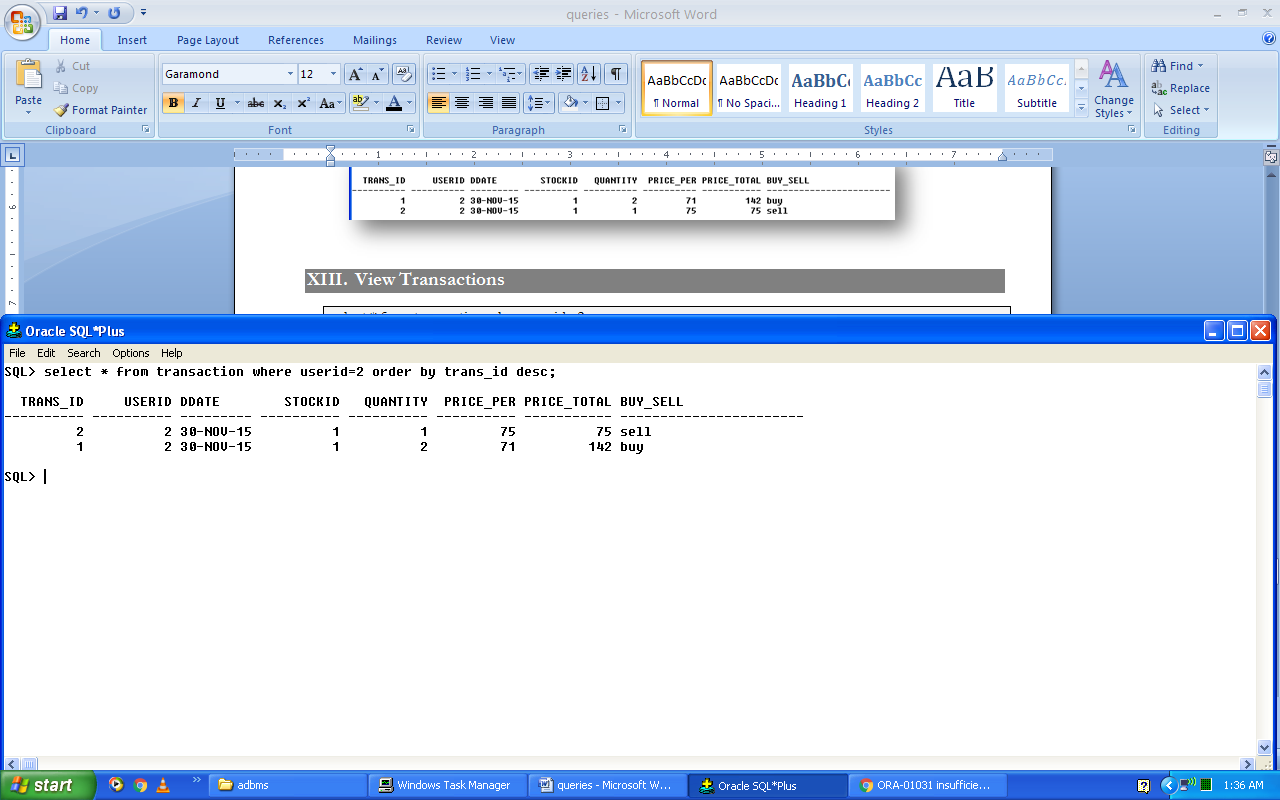
insert into transaction values(trans\_seq.nextval,2, '30-Nov-15',1,2,71,142, 'buy');

insert into transaction values(trans\_seq.nextval,2, '30-Nov-15',1,1,75,75, 'sell');

****

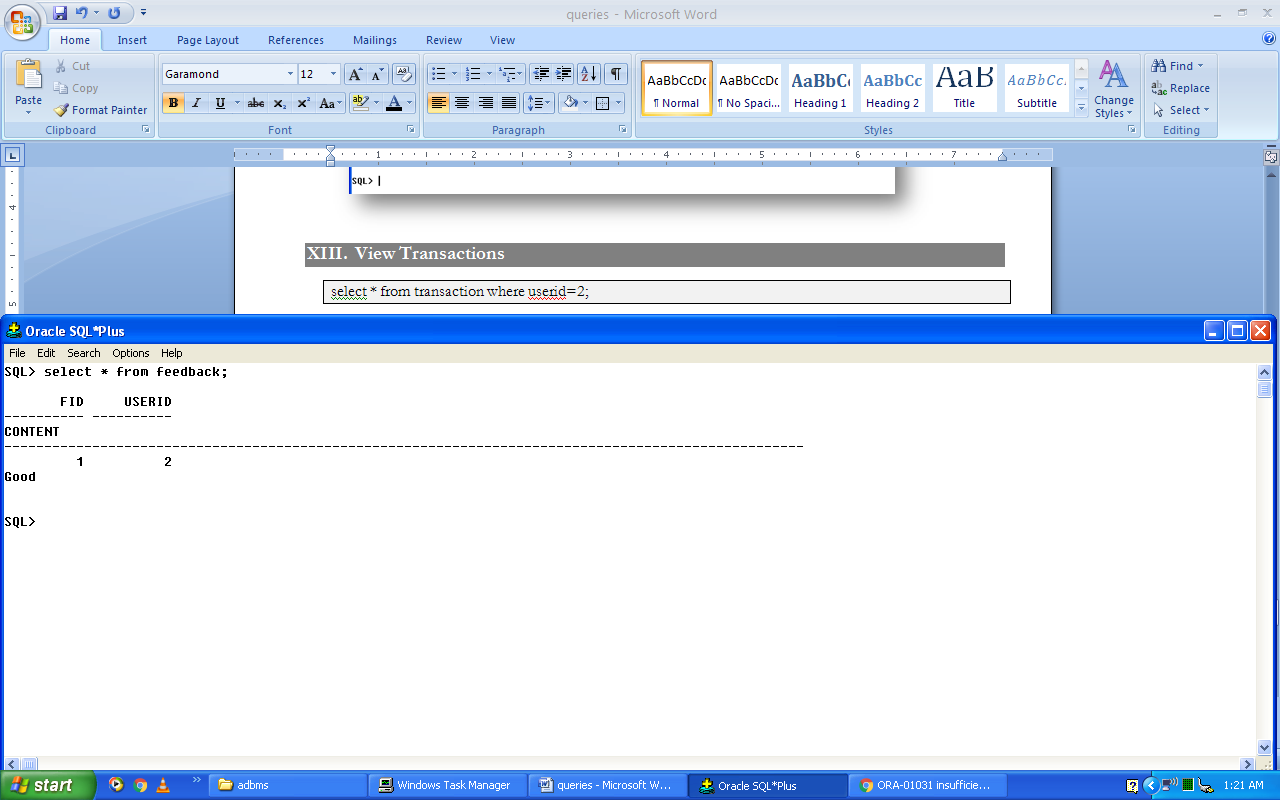
1. **View My Transactions**

select \* from transaction where userid=2 order by trans\_id desc;

****

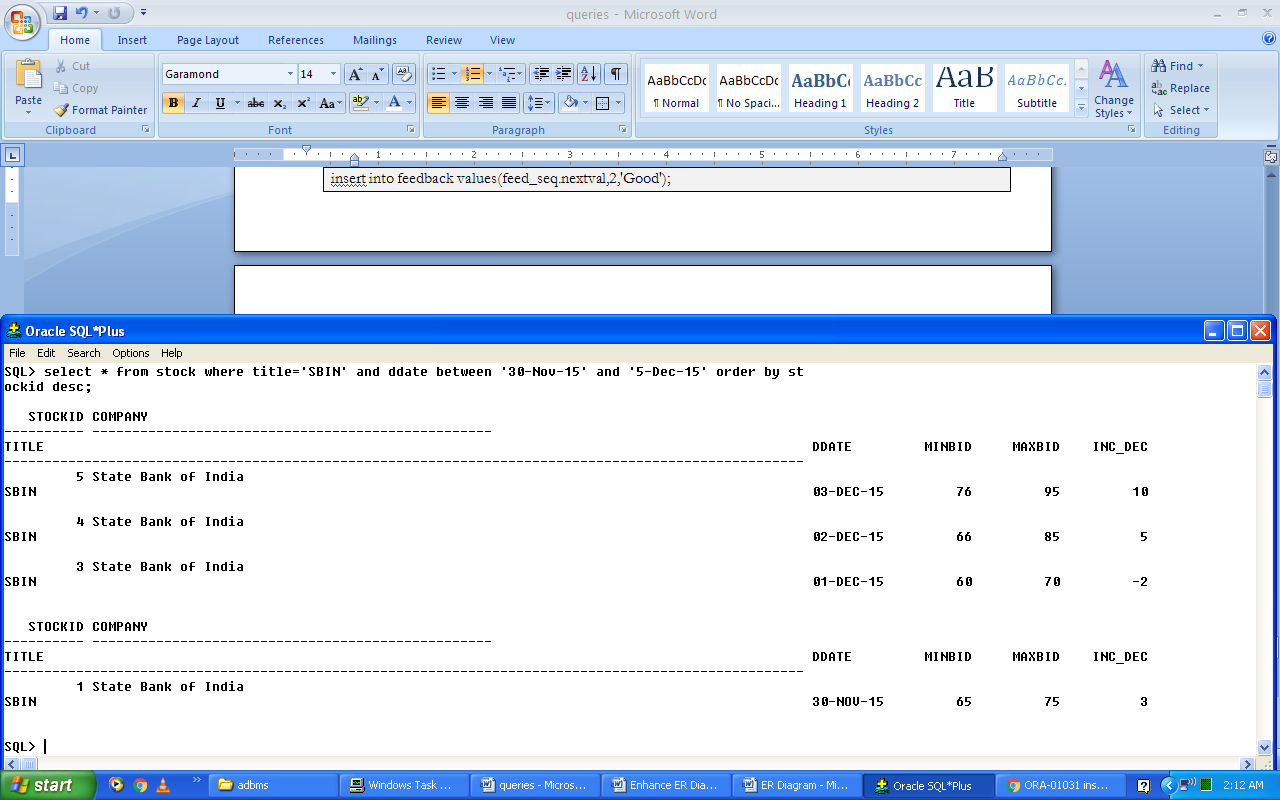
1. **Give Feedback**

insert into feedback values(feed\_seq.nextval,2,'Good');

****

1. **View Stock Report**

select \* from stock where title='SBIN' and ddate between '30-Nov-15' and '5-Dec-15' order by st ockid desc;

****