Assignment 21

1) Give Amit the right to change the ratings of the customers.

Ans: create user amit@localhost identified by '123123';
grant update on classwork.customers to amit@localhost;
flush privileges;

```
root>create user amit@localhost identified by '123123';
Query OK, 0 rows affected (0.05 sec)

root>grant update on classwork.customers to amit@localhost;
Query OK, 0 rows affected (0.00 sec)

root>flush privileges;
Query OK, 0 rows affected (0.01 sec)
```

2) Give Manoj the right to give other users the right to query the Orders table.

Ans: create user manoj@localhost identified by '123123';
grant select on classwork.orders to manoj@localhost with grant option;
flush privileges;

```
root>create user manoj@localhost identified by '123123';
Query OK, 0 rows affected (0.00 sec)

root>grant select on classwork.orders to manoj@localhost with grant option;
Query OK, 0 rows affected (0.01 sec)

root>flush privileges;
Query OK, 0 rows affected (0.01 sec)
```

3) Take the INSERT privilege on Salespeople away from Ajita.

Ans:create user ajita@localhost identified by '123123';
grant insert on classwork.salespeople to ajita@localhost;
flush privileges;
revoke insert on classwork.salespeople from ajita@localhost;

```
root>create user ajita@localhost identified by '123123';
Query OK, 0 rows affected (0.00 sec)

root>grant insert on classwork.salespeople to ajita@localhost;
Query OK, 0 rows affected (0.01 sec)

root>flush privileges;
Query OK, 0 rows affected (0.01 sec)

root>revoke insert on classwork.salespeople from ajita@localhost;
Query OK, 0 rows affected (0.01 sec)
```

4) Grant Abhijeet the right to insert or update the Customers table while keeping her possible rating values in the range of 100 to 500.

Ans: create view view_customer_rating as select cnum, cname, rating from customers where rating between 100 and 500 with check option;

grant insert, update on view_customer_rating to amit@localhost;
flush privileges;

```
root>create view view_customer_rating as
    -> select cnum, cname, rating from customers
    -> where rating between 100 and 500
    -> with check option;
Query OK, 0 rows affected (0.01 sec)

root>grant insert, update on view_customer_rating to amit@localhost;
Query OK, 0 rows affected (0.01 sec)

root>flush privileges;
Query OK, 0 rows affected (0.00 sec)
```

5) Allow Vikram to query the Customers table, but restrict his access to those customers whose rating is the lowest.

Ans: create user vikram@localhost identified by '123123';

create view view_customers_min as select cnum, cname, rating from customers where rating=(select min(rating) from customers);

grant select on view_customers_min to vikram@localhost;
flush privileges;

```
root>create user vikram@localhost identified by '123123';
Query OK, 0 rows affected (0.01 sec)

root>create view view_customers_min as
    -> select cnum, cname, rating from customers
    -> where rating=(select min(rating) from customers);
Query OK, 0 rows affected (0.01 sec)

root>grant select on view_customers_min to vikram@localhost;
Query OK, 0 rows affected (0.01 sec)

root>flush privileges;
Query OK, 0 rows affected (0.01 sec)
```