# SQL Plus Backend Code

## Creation of Tables-

```
create table userdetails(
userid int,
username varchar(30),
password varchar(30),
primary key(userid)
);

create table movie(
moviename varchar(50),
genre varchar(20),
cast varchar(50),
avgrating decimal,
runtime int,
language varchar(20),
primary key(moviename)
);


create table review(
userid int,
moviename varchar(50),
rating int,
comments varchar(100),
foreign key(userid) references userdetails(userid) on delete cascade,
foreign key(moviename) references movie(moviename) on delete cascade
);


create table hall(
city varchar(20),
hallname varchar(40),
screen_no int,
seats_left int,
moviename varchar(50),
timings date,
primary key(hallname,screen_no),
foreign key(moviename) references movie(moviename) on delete cascade
);
```

```sql
create table ticket(
moviename varchar(50),
userid int,
hallname varchar(40),
screen_no int,
price int,
seat_id int,
primary key(userid,moviename),
foreign key(userid) references userdetails(userid) on delete cascade,
foreign key(moviename) references movie(moviename) on delete cascade,
foreign key(hallname,screen_no) references hall(hallname,screen_no) on delete cascade
);
```

# Insertion of values-

```sql
insert into userdetails values(1892,'Aayushmaan','abcdefg');
insert into userdetails values(1645,'Shruti','shruti_2000');
insert into userdetails values(1297,'Kabir','!undertaker');
insert into userdetails values(1008,'Deepika','!deepika1002');
insert into userdetails values(1346,'Kishore','!iamkishore');
insert into userdetails values(1621,'Rizwan','892rizwan');
insert into userdetails values(1555,'Aayushi','!hello!');
insert into userdetails values(1178,'Khushi','987654321');
insert into userdetails values(1087,'Pratee','prat1003!');
insert into userdetails values(1020,'Fatima','!f@tim@');


Insert into movie values('Venom: Let there be carnage','Action','Tom Hardy, Woody Harrelson',5,120,'ENG);
Insert into movie values('La La Land','Musical/Romance','Emma Stone, Ryan Gosling',5,115,'ENG');
Insert into movie values('Radhe','Action','Salman Khan',5,114,'HIN');
Insert into movie values('Dhamaka','Thriller','Kartik Aaryan, Mrunal Thakur',5,104,'HIN');
Insert into movie values('K.G.F: Chapter 1','Action','Yash, Srinidhi Shetty',5,175,'KAN');
Insert into movie values('Maanikya','Romance','Sudeep ,Ravichandran',5,134,'KAN');


Insert into review values(1645,'Radhe',2,'I want my money back!!!!');
Insert into review values(1892,'Radhe',5,'Best Movie evaaaa');
Insert into review values(1297,'La La Land',4,'Loved Emma in the movie!!');
```

Insert into review values(1346,'Dhamaka',3,'Not the dhamaka I expected from this movie, one time watch.');
Insert into review values(1087,'K.G.F: Chapter 1',5,'Blockbuster Movie! Cannot wait for part 2.');
Insert into review values(1892,'Venom: Let There Be Carnage',3,'Okayish, did not live up to the hype.');
Insert into review values(1892,'Maanikya',4,'Good watch. Great acting!');


Insert into hall values('Manipal','BHARAT',1,50,'Radhe',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',2,50,'K.G.F: Chapter 1',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',3,50,'Radhe',to_date('2021-12-16','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',4,60,'Dhamaka',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',5,60,'Maanikya',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',6,60,'Dhamaka',to_date('2021-12-16','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',7,75,'Venom: Let There Be Carnage',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',8,75,'La La Land',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','BHARAT',9,75,'Venom: Let There Be Carnage',to_date('2021-12-16','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',1,150,'La La Land',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',2,150,'Venom: Let There Be Carnage',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',3,150,'Dhamaka',to_date('2021-12-16','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',4,100,'K.G.F: Chapter 1',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',5,100,'Radhe',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',6,100,'K.G.F: Chapter 1',to_date('2021-12-16','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',7,75,'Maanikya',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',8,75,'La La Land',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','INOX',9,75,'Radhe',to_date('2021-12-16','yyyy-mm-dd'));
Insert into hall values('Manipal','PVR',1,55,'Maanikya',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','PVR',2,55,'Radhe',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','PVR',3,55,'La La Land',to_date('2021-12-16','yyyy-mm-dd'));
Insert into hall values('Manipal','PVR',4,75,'Dhamaka',to_date('2021-12-14','yyyy-mm-dd'));
Insert into hall values('Manipal','PVR',5,75,'La La Land',to_date('2021-12-15','yyyy-mm-dd'));
Insert into hall values('Manipal','PVR',6,75,'Radhe',to_date('2021-12-16','yyyy-mm-dd'));


Insert into ticket values('Radhe',1892,'BHARAT',2,150,21);

```
SQL Plus                                                     —  □  ×

SQL> delete from revies;
delete from revies
                 *
ERROR at line 1:
ORA-00942: table or view does not exist

SQL> delete from review;

2 rows deleted.

SQL> Insert into review values(1892,'Radhe',5,'Best Movie evaaaa');

1 row created.

SQL> Insert into review values(1892,'Radhe',2,'I want my money back!!!!');

1 row created.

SQL> select * from review;

    USERID MOVIENAME                                       RATING
---------- ------------------------------------------- ----------
COMMENTS
----------------------------------------------------------------
      1892 Radhe                                             2
I want my money back!!!!

SQL>
```

# Trigger-

TRIGGER- If a user has already entered a review for a movie and they enter another one, the previous one gets updated.


create or replace trigger OneReviewONLY
Before insert on review
FOR EACH ROW
DECLARE Cursor c2 IS
Select userid,moviename from review;
row c2%ROWTYPE;
begin
OPEN c2;
LOOP
FETCH c2 INTO row;
EXIT WHEN c2%NOTFOUND;
IF row.userid=:NEW.userid AND row.moviename=:NEW.moviename THEN
Update review set comments=:new.comments where userid=row.userid and moviename=row.moviename;
Delete from review where userid=row.userid and moviename=row.moviename;

Update review set rating=:new.rating where userid=row.userid and
moviename=row.moviename;
END IF;
END LOOP;
CLOSE c2;
end;
/


## Procedure-


```
CREATE OR REPLACE PROCEDURE Insert_tickets(
    seatNo IN INTEGER,
    mName IN VARCHAR,
    hname IN VARCHAR,
    screen_no IN INTEGER,
    price IN INTEGER,
    userid IN INTEGER,
    datex IN Varchar
)
IS
  r_ticket ticket%ROWTYPE;
  seats_left INTEGER;
BEGIN
  Insert into ticket values(mName,userid,hname,screen_no,price,seatNo);

UPDATE hall set seats_left=seats_left-1 where hallname=hname and
moviename=mName and timings=datex;

SELECT seats_left into seats_left from hall where hallname=hname and
moviename=mName and timings=datex;

END;
/
```