genre

customer_phoneno

cid	phoneno

customer

cid	cname	email	*mid*

payments

refid	paymenttype	paymentstatus	paymentdate	amount	*cid*

book

cid	*ticketid*

tickets

ticketid	date	time	*mid*	*theatreid*

movie_genre

mid	genre

movie

mid	mname	*pid*	*theatreid*

Theatre

theatreid	name	location

production_company

pid	pname	headquarter	owner

Seats

theatreid	seatno	availability	seattype

Directs

mid	*did*	year

Actsin

mid	*aid*	role

Directors

did	dname

Actors

aid	aname

Directorsphoneno

did	phoneno

Actorsphoneno

aid	phoneno

genre

actors

Column	Type	Null	Default	Comments
aid *(Primary)*	int(11)	No		
aname	varchar(225)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	aid	5	A	No	

actors_phoneno

Column	Type	Null	Default	Comments
aid *(Primary)*	int(11)	No		
phoneno *(Primary)*	varchar(50)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	aid	8	A	No	
				phoneno	8	A	No	

acts_in

Column	Type	Null	Default	Comments
aid *(Primary)*	int(11)	No		
mid *(Primary)*	int(11)	No		
a_role	varchar(225)	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	aid	5	A	No	
				mid	5	A	No	
mid	BTREE	No	No	mid	5	A	No	

book

Column	Type	Null	Default	Comments
cid *(Primary)*	int(11)	No		
ticketid *(Primary)*	int(11)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	cid	5	A	No	
				ticketid	5	A	No	
ticketid	BTREE	No	No	ticketid	5	A	No	

customer

Column	Type	Null	Default	Comments

Column	Type	Null	Default	Comments
cid *(Primary)*	int(11)	No		
cname	varchar(225)	No		
email	varchar(100)	Yes	*NULL*	
mid	int(11)	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	cid	5	A	No	
mid	BTREE	No	No	mid	2	A	Yes	

cutomer_phoneno

Column	Type	Null	Default	Comments
cid *(Primary)*	int(11)	No		
phoneno *(Primary)*	varchar(50)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	cid	8	A	No	
				phoneno	8	A	No	

directors

Column	Type	Null	Default	Comments
did *(Primary)*	int(11)	No		
dname	varchar(225)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	did	5	A	No	

directors_phoneno

Column	Type	Null	Default	Comments
did *(Primary)*	int(11)	No		
phoneno *(Primary)*	varchar(50)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	did	6	A	No	
				phoneno	6	A	No	

directs

Column	Type	Null	Default	Comments
mid *(Primary)*	int(11)	No		
did *(Primary)*	int(11)	No		
directed_year	varchar(4)	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	mid	5	A	No	
				did	5	A	No	
did	BTREE	No	No	did	5	A	No	

movie

Column	Type	Null	Default	Comments
mid *(Primary)*	int(11)	No		
mname	varchar(225)	No		
pid	int(11)	No		
theatreid	int(11)	Yes	NULL	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	mid	5	A	No	
pid	BTREE	No	No	pid	5	A	No	
theatreid	BTREE	No	No	theatreid	5	A	Yes	

movie_genre

Column	Type	Null	Default	Comments
mid *(Primary)*	int(11)	No		
genre *(Primary)*	varchar(255)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	mid	8	A	No	
				genre	8	A	No	

payment

Column	Type	Null	Default	Comments
refid *(Primary)*	int(11)	No		
payment_type	varchar(225)	Yes	NULL	
payment_status	varchar(225)	Yes	NULL	
amount	float	Yes	NULL	
payment_date	date	Yes	NULL	
cid	int(11)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	refid	5	A	No	
cid	BTREE	No	No	cid	5	A	No	

production_company

Column	Type	Null	Default	Comments

Column	Type	Null	Default	Comments
pid *(Primary)*	int(11)	No		
pname	varchar(225)	No		
headquarter	varchar(225)	Yes	*NULL*	
company_owner	varchar(225)	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	pid	5	A	No	

seats

Column	Type	Null	Default	Comments
theatreid *(Primary)*	int(11)	No		
seatno *(Primary)*	int(11)	No		
seat_availability	varchar(225)	Yes	*NULL*	
seat_type	varchar(225)	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	theatreid	5	A	No	
				seatno	5	A	No	

theatre

Column	Type	Null	Default	Comments
theatreid *(Primary)*	int(11)	No		
theatre_name	varchar(225)	No		
theatre_location	varchar(50)	Yes	*NULL*	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	theatreid	5	A	No	

tickets

Column	Type	Null	Default	Comments
ticketid *(Primary)*	int(11)	No		
tdate	date	Yes	*NULL*	
ttime	time	Yes	*NULL*	
theatreid	int(11)	No		
mid	int(11)	No		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ticketid	5	A	No	
theatreid	BTREE	No	No	theatreid	5	A	No	
mid	BTREE	No	No	mid	5	A	No	

TABLE CREATIONS

```sql
-- 1 Production Company
CREATE TABLE production_company(
    pid INT NOT NULL,
    pname VARCHAR(225) NOT NULL,
    headquarter VARCHAR(225),
    company_owner VARCHAR(225),
    PRIMARY KEY(pid)
);
-- 2 theatre
CREATE TABLE theatre(
    theatreid INT NOT NULL,
    theatre_name VARCHAR(225) NOT NULL,
    theatre_location VARCHAR(50),
    PRIMARY KEY (theatreid)
);
-- 3 Seats
CREATE TABLE seats(
    theatreid INT NOT NULL,
    seatno INT NOT NULL,
    seat_availability VARCHAR(225),
    seat_type VARCHAR(225),
    FOREIGN KEY(theatreid) REFERENCES theatre(theatreid),
    PRIMARY KEY(theatreid, seatno)
);
-- 4 Movie
CREATE TABLE movie(
    mid INT NOT NULL,
    mname VARCHAR(225) NOT NULL,
    pid int NOT NULL,
    theatreid int,
    FOREIGN KEY(pid) REFERENCES production_company(pid),
    FOREIGN KEY(theatreid) REFERENCES theatre(theatreid),
    PRIMARY KEY(mid)
);
-- 5 Movie Genre
CREATE TABLE Movie_genre(
    mid INT NOT NULL,
    genre VARCHAR(255) NOT NULL,
    FOREIGN KEY(mid) REFERENCES movie(mid),
    PRIMARY KEY(mid, genre)
);
-- 6 Customer
create table customer(
    cid int not null,
    cname varchar(225) not null,
    email varchar(100),
    mid int ,
```

```sql
    primary key(cid),
    foreign key (mid) references movie(mid)
);
-- insert into customer(cid,cname,email) values(1,'Rahul Kumar
Maurya','rahul@gmail.com');
-- 7 Customer Phone No
CREATE TABLE cutomer_phoneno(
    cid INT NOT NULL,
    phoneno VARCHAR(50) NOT NULL,
    FOREIGN KEY (cid) REFERENCES customer(cid),
    PRIMARY KEY (cid,phoneno)
);
-- insert into cutomer_phone values (1,987654321);
-- insert into cutomer_phone values (1,123456789);
-- 8 Payments
CREATE TABLE payment(
    refid INT NOT NULL,
    payment_type VARCHAR(225),
    payment_status VARCHAR(225),
    amount FLOAT,
    payment_date DATE,
    cid int NOT NULL,
    FOREIGN KEY (cid) REFERENCES customer(cid),
    PRIMARY KEY (refid)
);
-- 9 Tickets
CREATE TABLE tickets(
    ticketid INT NOT NULL,
    tdate   DATE,
    ttime   TIME,
    theatreid int NOT NULL,
    mid int NOT NULL,
    FOREIGN KEY(theatreid) REFERENCES theatre(theatreid),
    FOREIGN KEY(mid) REFERENCES movie(mid),
    PRIMARY KEY(ticketid)
);
-- 10 Booking
CREATE TABLE book(
    cid INT NOT null,
    ticketid INT NOT NULL,
    FOREIGN KEY (cid) REFERENCES customer(cid),
    FOREIGN KEY (ticketid) REFERENCES tickets(ticketid),
    PRIMARY KEY(cid, ticketid)
);
-- 11
CREATE TABLE actors(
    aid INT NOT NULL,
    aname VARCHAR(225) NOT NULL,
    PRIMARY KEY(aid)
);
```

```sql
-- 12
CREATE TABLE actors_phoneno(
    aid INT NOT NULL,
    phoneno VARCHAR(50) NOT NULL,
    FOREIGN KEY (aid) REFERENCES actors(aid),
    PRIMARY KEY(aid, phoneno)
);
-- 13
CREATE TABLE directors(
    did INT NOT NULL,
    dname VARCHAR (225) NOT NULL,
    PRIMARY KEY(did)
);
-- 14
CREATE TABLE directors_phoneno(
    did INT NOT NULL,
    phoneno VARCHAR(50) NOT NULL,
    FOREIGN KEY(did) REFERENCES directors(did),
    PRIMARY KEY(did,phoneno)
);
-- 15
CREATE TABLE directs(
    mid int not null,
    did int not null,
    directed_year VARCHAR(4),
    foreign key (mid) references movie(mid),
    foreign key(did) references directors(did),
    PRIMARY key(mid, did)
);
-- 16
CREATE TABLE acts_in(
    aid int not null,
    mid int not null,
    a_role varchar(225),
    foreign key(aid) references actors(aid),
    foreign key(mid) references movie(mid),
    primary key(aid,mid)
);
```

DATA ENTRIES

```sql
INSERT INTO `actors` (`aid`, `aname`) VALUES
(1, 'Salman Khan'),
```

```sql
(2, 'Rajnikant'),
(3, 'Aishwarya Rai Bachchan'),
(4, 'Rashmika Mandanna'),
(5, 'Johnny Depp');

--
-- Dumping data for table `actors_phoneno`
--

INSERT INTO `actors_phoneno` (`aid`, `phoneno`) VALUES
(1, '8965372836'),
(1, '9637854275'),
(2, '8975372537'),
(3, '9637234235'),
(4, '7892434275'),
(4, '9637354546'),
(5, '9633453235'),
(5, '9637345244');

--
-- Dumping data for table `acts_in`
--

INSERT INTO `acts_in` (`aid`, `mid`, `a_role`) VALUES
(1, 62, 'Thor'),
(2, 65, 'Governor'),
(3, 61, 'Shivgami'),
(4, 63, 'Srivali'),
(5, 65, 'Pedanna');

--
-- Dumping data for table `book`
--

INSERT INTO `book` (`cid`, `ticketid`) VALUES
(101, 71),
(102, 72),
(103, 73),
(104, 74),
(105, 75);

--
-- Dumping data for table `customer`
--

INSERT INTO `customer` (`cid`, `cname`, `email`, `mid`) VALUES
(101, 'Sreyansh Jain', 'sreyansh@gmail.com', NULL),
(102, 'Rahul Maurya', 'rahul@gmail.com', NULL),
(103, 'Subhasish', 'subha@gmail.com', NULL),
(104, 'Mrutyunjaya Hantal', 'mrutyu@gmail.com', NULL),
```

```sql
(105, 'Sushant Kirsani', 'sushant@gmail.com', NULL);


--
-- Dumping data for table `cutomer_phoneno`
--

INSERT INTO `cutomer_phoneno` (`cid`, `phoneno`) VALUES
(101, '8976548976'),
(102, '8976543289'),
(102, '8976543678'),
(103, '8976543897'),
(103, '9876543245'),
(104, '9876545678'),
(104, '9876567843'),
(105, '8976543896');


--
-- Dumping data for table `directors`
--

INSERT INTO `directors` (`did`, `dname`) VALUES
(10, 'S. S. Rajamouli'),
(11, 'Christopher Nolan'),
(12, 'Quentin Tarantino'),
(13, 'Rajkumar Hirani'),
(14, 'Zoya Akhtar');


--
-- Dumping data for table `directors_phoneno`
--

INSERT INTO `directors_phoneno` (`did`, `phoneno`) VALUES
(10, '9867543258'),
(10, '9876543218'),
(11, '6834535218'),
(12, '9876456418'),
(13, '9873443218'),
(14, '9235575218');


--
-- Dumping data for table `directs`
--

INSERT INTO `directs` (`mid`, `did`, `directed_year`) VALUES
(61, 10, '2015'),
(62, 12, '2022'),
(63, 14, '2021'),
(64, 13, '2022'),
(65, 10, '2021');
```

```sql
--
-- Dumping data for table `movie`
--

INSERT INTO `movie` (`mid`, `mname`, `pid`, `theatreid`) VALUES
(61, 'Bahubali', 21, 51),
(62, 'Thor Love and Thundre', 22, 53),
(63, 'Puspa', 25, 55),
(64, 'Brahmastra', 23, 51),
(65, 'RRR', 24, 55);

--
-- Dumping data for table `movie_genre`
--

INSERT INTO `movie_genre` (`mid`, `genre`) VALUES
(61, 'Action'),
(61, 'Thriller'),
(62, 'Action'),
(62, 'Fantasy'),
(63, 'Action'),
(63, 'Thriller'),
(64, 'Fantasy'),
(64, 'Love');

--
-- Dumping data for table `payment`
--

INSERT INTO `payment` (`refid`, `payment_type`, `payment_status`, `amount`,
`payment_date`, `cid`) VALUES
(451, 'UPI', 'success', 500, '2022-09-10', 101),
(452, 'Credit Card', 'Success', 1000, '2022-09-12', 102),
(453, 'Net Banking', 'Pending', 750, '2022-09-16', 103),
(454, 'UPI', 'Success', 250, '2022-09-13', 104),
(455, 'Offline Payment', 'Success', 800, '2022-09-15', 105);

--
-- Dumping data for table `production_company`
--

INSERT INTO `production_company` (`pid`, `pname`, `headquarter`,
`company_owner`) VALUES
(21, 'Yash Raj Films', 'Mumbai', 'ABCD'),
(22, 'Cloud Nine Movies', 'New York', 'XYZ'),
(23, 'Paramount Pictures', 'London', 'PRQS'),
(24, 'Tips Industries', 'Tokyo', 'ASDF'),
(25, 'Warner Bros Pictures', 'New York', 'TYBP');

--
```

```sql
-- Dumping data for table `seats`
--

INSERT INTO `seats` (`theatreid`, `seatno`, `seat_availability`, `seat_type`)
VALUES
(51, 45, 'Available', 'Balcony'),
(53, 1, 'Available', 'Balconi'),
(53, 2, 'Available', 'Galleries'),
(54, 5, 'Not Available', 'Balconies'),
(54, 10, 'Available', 'Galleries');


--
-- Dumping data for table `theatre`
--

INSERT INTO `theatre` (`theatreid`, `theatre_name`, `theatre_location`)
VALUES
(51, 'Radha Theatre', 'Chennai'),
(52, 'Regal Cinema', 'Malkangiri'),
(53, 'Apsara Theatre', 'Calicut'),
(54, 'Crown', 'Chennai'),
(55, 'Movieland', 'Bangalore');


--
-- Dumping data for table `tickets`
--

INSERT INTO `tickets` (`ticketid`, `tdate`, `ttime`, `theatreid`, `mid`)
VALUES
(71, '2022-09-16', '21:21:19', 53, 61),
(72, '2022-09-17', '16:21:19', 55, 62),
(73, '2022-09-18', '21:00:00', 52, 64),
(74, '2022-09-17', '15:00:00', 51, 63),
(75, '2022-09-20', '20:00:00', 55, 65);
```