

1.

```
mysql> create database Cinema
-> ;
Query OK, 1 row affected (0.00 sec)

mysql>
```

2.

```
mysql> create table movies(
-> movie_id int primary key auto_increment,
-> title varchar(50) not null,
-> genre varchar(30) default 'drama',
-> language varchar(20),
-> release_date date,
-> boxoff_collec decimal(15,2),
-> director varchar(30));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> |
```

```
mysql> alter table movies auto_increment=101;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

3.

```
mysql> use cinema
Database changed
mysql> INSERT INTO movies (Movie_id, Title, Genre, Language, Release_date, boxoff_collec, Director) VALUES
-> (101, 'Dangal', 'Sports Drama', 'Hindi', '2016-12-23', 2024.00, 'Nitesh Tiwari'),
-> (102, 'Bahubali', 'Action', 'Telugu', '2015-07-10', 1810.60, 'SS Rajamouli'),
-> (103, 'Drishyam 2', 'Thriller', 'Malayalam', '2022-11-18', 345.05, 'Jeethu Joseph'),
-> (104, 'RRR', 'Action', 'Telugu', '2022-03-24', 1387.25, 'SS Rajamouli'),
-> (105, '3 Idiots', 'Comedy', 'Hindi', '2009-12-25', 460.70, 'Rajkumar Hirani'),
-> (106, 'Pather Panchali', 'Drama', 'Bengali', '1955-08-26', 11.30, 'Satyajit Ray'),
-> (107, 'Akira', 'Sci-Fi', 'Japanese', '1988-07-16', 45.51, 'Katsuhiro Otomo');
Query OK, 7 rows affected (0.00 sec)
Records: 7 Duplicates: 0 Warnings: 0

mysql> select * from movies
-> ;
```

movie_id	title	genre	language	release_date	boxoff_collec	director
101	Dangal	Sports Drama	Hindi	2016-12-23	2024.00	Nitesh Tiwari
102	Bahubali	Action	Telugu	2015-07-10	1810.60	SS Rajamouli
103	Drishyam 2	Thriller	Malayalam	2022-11-18	345.05	Jeethu Joseph
104	RRR	Action	Telugu	2022-03-24	1387.25	SS Rajamouli
105	3 Idiots	Comedy	Hindi	2009-12-25	460.70	Rajkumar Hirani
106	Pather Panchali	Drama	Bengali	1955-08-26	11.30	Satyajit Ray
107	Akira	Sci-Fi	Japanese	1988-07-16	45.51	Katsuhiro Otomo

```
7 rows in set (0.00 sec)

mysql> |
```

4.

```
mysql> select * from movies
-> where boxoff_collec<1500 AND boxoff_collec>300;
```

movie_id	title	genre	language	release_date	boxoff_collec	director
103	Drishyam 2	Thriller	Malayalam	2022-11-18	345.05	Jeethu Joseph
104	RRR	Action	Telugu	2022-03-24	1387.25	SS Rajamouli
105	3 Idiots	Comedy	Hindi	2009-12-25	460.70	Rajkumar Hirani

```
3 rows in set (0.00 sec)

mysql> |
```

5.

```
mysql> select title, language from movies
      -> where boxoff_collec>1500 or boxoff_collec=1500;
+-----+-----+
| title   | language |
+-----+-----+
| Dangal  | Hindi    |
| Bahubali | Telugu   |
+-----+-----+
2 rows in set (0.00 sec)

mysql> |
```

6.

```
mysql> select count(*) from movies
      -> where genre='action';
+-----+
| count(*) |
+-----+
|         2 |
+-----+
1 row in set (0.00 sec)

mysql> |
```

7.

```
mysql> select avg(boxoff_collec) as average_all from movies;
+-----+
| average_all |
+-----+
| 869.201429 |
+-----+
1 row in set (0.00 sec)

mysql> |
```

8.

```
mysql> select max(boxoff_collec) from movies
      -> where language='hindi';
+-----+
| max(boxoff_collec) |
+-----+
|          2024.00 |
+-----+
1 row in set (0.00 sec)

mysql> |
```

9.

```
mysql> select count(distinct genre) from movies;
```

```
+-----+
| count(distinct genre) |
+-----+
|                      6 |
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> |
```

10.

```
mysql> ALTER TABLE movies
-> ADD COLUMN First_Name VARCHAR(30),
-> ADD COLUMN Last_Name VARCHAR(30);
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> UPDATE movies
-> SET First_Name = SUBSTRING_INDEX(Director, ' ', 1),
-> Last_Name = SUBSTRING_INDEX(Director, ' ', -1);
Query OK, 7 rows affected (0.00 sec)
Rows matched: 7 Changed: 7 Warnings: 0
```

```
mysql> SELECT Movie_id, Title, Genre, Language, Release_date, boxoff_collec, First_Name, Last_Name
-> FROM movies;
```

Movie_id	Title	Genre	Language	Release_date	boxoff_collec	First_Name	Last_Name
101	Dangal	Sports Drama	Hindi	2016-12-23	2024.00	Nitesh	Tiwari
102	Bahubali	Action	Telugu	2015-07-10	1810.60	SS	Rajamouli
103	Drishyam 2	Thriller	Malayalam	2022-11-18	345.05	Jeethu	Joseph
104	RRR	Action	Telugu	2022-03-24	1387.25	SS	Rajamouli
105	3 Idiots	Comedy	Hindi	2009-12-25	460.70	Rajkumar	Hirani
106	Pather Panchali	Drama	Bengali	1955-08-26	11.30	Satyajit	Ray
107	Akira	Sci-Fi	Japanese	1988-07-16	45.51	Katsuhiro	Otomo

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

```
mysql> |
```

11.

```
mysql> SELECT Title,
-> UPPER(Title) AS Uppercase_Title,
-> LOWER(Title) AS Lowercase_Title
-> FROM movies;
```

Title	Uppercase_Title	Lowercase_Title
Dangal	DANGAL	dangal
Bahubali	BAHUBALI	bahubali
Drishyam 2	DRISHYAM 2	drishyam 2
RRR	RRR	rrr
3 Idiots	3 IDIOTS	3 idiots
Pather Panchali	PATHER PANCHALI	pather panchali
Akira	AKIRA	akira

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

```
mysql> |
```

12.

```
mysql> select reverse(title) from movies;
```

```
+-----+
| reverse(title) |
+-----+
| lagnaD         |
| ilabuhaB       |
| 2 mayhsirD     |
| RRR            |
| stoidI 3       |
| ilahcnaP rehtaP|
| arikA          |
+-----+
7 rows in set (0.00 sec)
```

```
mysql> |
```

13.

```
mysql> select locate('a', title) from movies;
```

```
+-----+
| locate('a', title) |
+-----+
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
|                    |
+-----+
7 rows in set (0.00 sec)
```

```
mysql> |
```

14.

```
mysql> select (title), length(title) from movies;
```

title	length(title)
Dangal	6
Bahubali	8
Drishyam 2	10
RRR	3
3 Idiots	8
Pather Panchali	15
Akira	5

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

```
mysql> |
```

15.

```
mysql> SELECT Title,  
-> REPLACE(REPLACE(Title, 'a', 'N'), 'A', 'N') AS Updated_Title  
-> FROM movies;
```

Title	Updated_Title
Dangal	DNngNl
Bahubali	BNhubNli
Drishyam 2	DrishyNm 2
RRR	RRR
3 Idiots	3 Idiots
Pather Panchali	PNther PNnchNli
Akira	NkirN

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

```
mysql> |
```

16.

```
mysql> SELECT NOW() AS Current_DateTime;
```

Current_DateTime
2025-01-29 15:58:58

```
1 row in set (0.00 sec)
```

```
mysql> |
```

17.

```
mysql> select * from movies order by release_date asc limit 1;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| movie_id | title           | genre | language | release_date | boxoff_collec | director   | First_Name | Last_Name |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 106 | Pather Panchali | Drama | Bengali  | 1955-08-26   | 11.30         | Satyajit Ray | Satyajit   | Ray       |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> |
```

18.

```
mysql> select * from movies
-> where year(release_date)=2022;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| movie_id | title           | genre | language | release_date | boxoff_collec | director   | First_Name | Last_Name |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 103 | Drishyam 2      | Thriller | Malayalam | 2022-11-18   | 345.05        | Jeethu Joseph | Jeethu     | Joseph    |
| 104 | RRR              | Action  | Telugu    | 2022-03-24   | 1387.25       | SS Rajamouli | SS         | Rajamouli |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> |
```

19.

```
mysql> select
-> year(max(release_date))-year(min(release_date))
-> from movies;
+-----+
| year(max(release_date))-year(min(release_date)) |
+-----+
| 67 |
+-----+
1 row in set (0.00 sec)

mysql> |
```

20.

```
mysql> select * from movies order by title asc;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| movie_id | title           | genre | language | release_date | boxoff_collec | director   | First_Name | Last_Name |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 105 | 3 Idiots        | Comedy | Hindi     | 2009-12-25   | 460.70        | Rajkumar Hirani | Rajkumar   | Hirani    |
| 107 | Akira           | Sci-Fi | Japanese | 1988-07-16   | 45.51         | Katsuhiro Otomo | Katsuhiro  | Otomo     |
| 102 | Bahubali        | Action | Telugu    | 2015-07-10   | 1810.60       | SS Rajamouli   | SS         | Rajamouli |
| 101 | Dangal          | Sports Drama | Hindi    | 2016-12-23   | 2024.00       | Nitesh Tiwari  | Nitesh     | Tiwari    |
| 103 | Drishyam 2      | Thriller | Malayalam | 2022-11-18   | 345.05        | Jeethu Joseph  | Jeethu     | Joseph    |
| 106 | Pather Panchali | Drama  | Bengali   | 1955-08-26   | 11.30         | Satyajit Ray   | Satyajit   | Ray       |
| 104 | RRR              | Action  | Telugu    | 2022-03-24   | 1387.25       | SS Rajamouli   | SS         | Rajamouli |
+-----+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> |
```

21.

```
mysql> select (title, genre, boxoff_collec) order by boxoff_collec desc;
ERROR 1054 (42S22): Unknown column 'title' in 'field list'
mysql> select (title, genre, boxoff_collec) from movies order by boxoff_collec desc;
ERROR 1241 (21000): Operand should contain 1 column(s)
mysql> SELECT Title, Genre, boxoff_collec
-> FROM movies
-> ORDER BY boxoff_collec DESC;
```

Title	Genre	boxoff_collec
Dangal	Sports Drama	2024.00
Bahubali	Action	1810.60
RRR	Action	1387.25
3 Idiots	Comedy	460.70
Drishyam 2	Thriller	345.05
Akira	Sci-Fi	45.51
Pather Panchali	Drama	11.30

```
7 rows in set (0.00 sec)

mysql> |
```

22.

```
mysql> select title, release_date
-> from movies
-> order by release_date
-> desc;
```

title	release_date
Drishyam 2	2022-11-18
RRR	2022-03-24
Dangal	2016-12-23
Bahubali	2015-07-10
3 Idiots	2009-12-25
Akira	1988-07-16
Pather Panchali	1955-08-26

```
7 rows in set (0.00 sec)

mysql> |
```

23.

```
mysql> drop table movies
-> ;
Query OK, 0 rows affected (0.01 sec)

mysql> |
```

