Q1. FIND THOSE HOTEL IN VARANASI WHICH HAVE LOW FAIR ?

INPUT

SELECT HOTEL_BOOKING.CITY,HOTEL_BOOKING.HOTEL_NAME,
HOME_STAY_DETAILS.HOME_STAY_NAME,HOTEL_BOOKING.AVL_ROOM AS HOTEL_AVL_ROOM,

HOME_STAY_DETAILS.AVL_ROOM AS
HOMESTAY_AVL_ROOM,HOTEL_BOOKING.HOTEL_FARE,HOME_STAY_DETAILS.FARE AS HOME_STAY_FARE

FROM HOTEL_BOOKING

JOIN HOME_STAY_DETAILS

ON HOTEL_BOOKING.LOCALITY_ID = HOME_STAY_DETAILS.LOCALITY_ID

JOIN HOME_STAY_ADDRESS

ON HOTEL_BOOKING.CITY = HOME_STAY_ADDRESS.CITY_NAME

WHERE HOTEL_BOOKING.CITY = 'VARANASI' AND HOME_STAY_ADDRESS.CITY_NAME = 'VARANASI'

GROUP BY HOTEL_BOOKING.HOTEL_NAME

ORDER BY HOTEL_BOOKING.HOTEL_FARE AND HOME_STAY_DETAILS.FARE ASC ;

OUTPUT

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CITY	HOTEL_NAME	HOME_STAY_NAME	HOTEL_AVL_ROOM	HOMESTAY_AVL_ROOM	HOTEL_FARE	HOME_STAY_FARE
VARANASI	HHI VARANASI	KADACKAL FARMHOUSE	12	3	4606	2708
VARANASI	RIVATAS HOTEL	SWAN SUITS	4	4	7238	1207

Result 10 ✕

Q2. FIND NEARBY TOURIST LOCATION IN NEW DELHI ?

INPUT

SELECT ACTIVITY_ID.CITY ,ACTIVITY_LOCATION.CITY_ID, ACTIVITY_LOCATION.ACTIVITY, ACTIVITY_LOCATION.LOCATION , ACTIVITY_DETAILS.PERSON_NO ,

 ACTIVITY_DETAILS.ADULTS_FARE , ACTIVITY_DETAILS.CHILDS_FARE , ACTIVITY_DETAILS.PLAN_HOUR , ACTIVITY_RATING.ACTIVITY_RATING

FROM ACTIVITY_ID

JOIN ACTIVITY_LOCATION

ON ACTIVITY_ID.CITY_ID = ACTIVITY_LOCATION.CITY_ID

JOIN ACTIVITY_DETAILS

ON ACTIVITY_LOCATION.CITY_ID = ACTIVITY_DETAILS.CITY_ID

JOIN ACTIVITY_RATING

ON ACTIVITY_DETAILS.CITY_ID = ACTIVITY_RATING.CITY_ID

WHERE ACTIVITY_ID.CITY = 'NEW DELHI' ;

OUTPUT

CITY	CITY_ID	ACTIVITY	LOCATION	PERSON_NO	ADULTS_FARE	CHILDS_FARE	PLAN_HOUR	ACTIVITY_RATING
NEW DELHI	601	EXITING ADVENTURE CLIMB UP	PREM NAGAR ANAND PARBAT	1	200	200	0	5
NEW DELHI	602	JANTAR MANTAR	JANTAR MANTAR	1	20	20	12	4
NEW DELHI	603	KITE FLYING & HIGH TEA	CHANDI CHOWK	1	1752	1752	3	4
NEW DELHI	604	HAUNTED HOUSE & X RIDER	RAJAOURI GARDEN	1	60	60	11	5
NEW DELHI	605	SHOOTING ACADEMY	ROHINI	1	157	157	5	4

Q3. FIND BUS FROM AMRITSAR TO NEW DELHI FOR MINIMUM FARE IN SLEEPER CLASS?

INPUT

SELECT BUS_RESERVATION.BUS_ID , BUS_RESERVATION.SERVICE_PROVIDER , BUS_RESERVATION.UP_STATION
,

BUS_RESERVATION.DOWN_STATION , BUS_RESERVATION.DEPT_DATE , BUS_RESERVATION.SEAT_TYPE ,
MIN(BUS_RESERVATION.FARE) AS FARE ,

BUS_RESERVATION.SEAT_AVL , BUS_ARVL_TIME.ARVL_TIME , BUS_RATINGS.RATING ,
BUS_DEPT_TIME.DEPT_TIME , BUS_JOURNEY_HR.JOURNEY_HR

FROM BUS_RESERVATION

JOIN BUS_ARVL_TIME

ON BUS_RESERVATION.BUS_ID = BUS_ARVL_TIME.BUS_ID

JOIN BUS_DEPT_TIME

ON BUS_ARVL_TIME.BUS_ID = BUS_DEPT_TIME.BUS_ID

JOIN BUS_RATINGS

ON BUS_DEPT_TIME.BUS_ID = BUS_RATINGS.BUS_ID

JOIN BUS_JOURNEY_HR

ON BUS_RATINGS.BUS_ID = BUS_JOURNEY_HR.BUS_ID

WHERE BUS_RESERVATION.UP_STATION = 'AMRITSAR' AND BUS_RESERVATION.DOWN_STATION = 'NEW
DELHI' AND BUS_RESERVATION.SEAT_TYPE = 'SLEEPER' ;

OUTPUT

BUS_ID	SERVICE_PROVIDER	UP_STATION	DOWN_STATION	DEPT_DATE	SEAT_TYPE	FARE	SEAT_AVL	ARVL_TIME	RATING	DEPT_TIME	JOURNEY_HR
1101	ZINGBUS BASIC	AMRITSAR	NEW DELHI	2022-02-26	SLEEPER	476	30	04:35:00	3.4	01:10:00	3

Q4. FIND 4 SEATER SEDAN CABS FROM NEW DELHI TO AGRA ?

INPUT

SELECT CAB_DURATION.* , CAB_FARE.SEATER , CAB_FARE.CAB_FARE , CAB_FARE.CAB_AVG_RATE_KM , CAB_SERVICE_CITY.TOTAL_AVL_CAB

FROM CAB_DURATION

JOIN CAB_FARE

ON CAB_DURATION.CAB_ID = CAB_FARE.CAB_ID

JOIN CAB_SERVICE_CITY

ON CAB_FARE.CAB_ID = CAB_SERVICE_CITY.CAB_ID

WHERE CAB_DURATION.CAB_TYPE = 'SEDAN'

AND CAB_DURATION.UP_STATION = 'NEW DELHI'

AND CAB_DURATION.DOWN_STATION = 'AGRA'

GROUP BY CAB_DURATION.CAB_ID

HAVING CAB_SERVICE_CITY.TOTAL_AVL_CAB =   1;

OUTPUT

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CAB_ID	CAB_TYPE	UP_STATION	DOWN_STATION	DURATION_HR	DISTANCE	SEATER	CAB_FARE	CAB_AVG_RATE_KM	TOTAL_AVL_CAB
101	SEDAN	NEW DELHI	AGRA	03:30:00	225	4	14500	17.6	1

Q5. AVAILABLE CABS FROM MUMBAI TO PUNE ?

INPUT

SELECT cab_fare.CAB_ID,cab_fare.CAB_TYPE,cab_fare.UP_STATION,

cab_fare.DOWN_STATION,cab_fare.SEATER,cab_fare.CAB_FARE,

cab_fare.CAB_AVG_RATE_KM

FROM

mysqlproject.cab_fare

WHERE cab_fare.UP_STATION ='MUMBAI'

　　AND cab_fare.DOWN_STATION='PUNE'

GROUP BY cab_fare.CAB_ID;

OUTPUT

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

CAB_ID	CAB_TYPE	UP_STATION	DOWN_STATION	SEATER	CAB_FARE	CAB_AVG_RATE_KM
101	SEDAN	MUMBAI	PUNE	4	2700	18.3
102	SUV	MUMBAI	PUNE	6	5500	37.2
103	HATCHBACK	MUMBAI	PUNE	4	2100	14.2
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Q6. FIND ACTIVITY PLACE IN KOLKATA HAVING PLAN HOUR MORE THAN 3 AND RATING IS 5.

CREATE VIEW

CREATE VIEW ACTIVITY_TABLE_MAIN AS

SELECT activity_id.CITY_ID,activity_id.CITY,activity_location.LOCATION,

activity_details.ACTIVITY,activity_date.ACTIVITY_DATE,activity_details.PERSON_NO,

activity_details.ADULTS_FARE,activity_details.CHILDS_FARE,

activity_details.PLAN_HOUR,activity_rating.ACTIVITY_RATING

FROM

mysqlproject.activity_id LEFT JOIN mysqlproject.activity_details

ON activity_id.CITY_ID=activity_details.CITY_ID

LEFT JOIN mysqlproject.activity_location

ON activity_id.CITY_ID=activity_location.CITY_ID

LEFT JOIN mysqlproject.activity_rating

ON activity_id.CITY_ID=activity_rating.CITY_ID

LEFT JOIN mysqlproject.activity_date

ON activity_id.CITY_ID=activity_date.CITY_ID;

INPUT

SELECT ACTIVITY_TABLE_MAIN.CITY,

ACTIVITY_TABLE_MAIN.LOCATION,

ACTIVITY_TABLE_MAIN.ACTIVITY,

ADULTS_FARE,CHILDS_FARE

FROM

mysqlproject.ACTIVITY_TABLE_MAIN

WHERE CITY = 'KOLKATA'

   AND PLAN_HOUR < 3

   AND ACTIVITY_RATING =5 ;

OUTPUT

CITY	LOCATION	ACTIVITY	ADULTS_FARE	CHILDS_FARE
KOLKATA	CHOWRANGHEE	POLO CLUB EXPERIENCE	499	499

Q7. LIST OF ALL CITY WHICH HAVE MORE THAN 4 PLACE TO VISIT ?

CREATE VIEW

CREATE VIEW ACTIVITY_TABLE_MAIN AS

SELECT activity_id.CITY_ID,activity_id.CITY,activity_location.LOCATION,

activity_details.ACTIVITY,activity_date.ACTIVITY_DATE,activity_details.PERSON_NO,

activity_details.ADULTS_FARE,activity_details.CHILDS_FARE,

activity_details.PLAN_HOUR,activity_rating.ACTIVITY_RATING

FROM

mysqlproject.activity_id LEFT JOIN mysqlproject.activity_details

ON activity_id.CITY_ID=activity_details.CITY_ID

LEFT JOIN mysqlproject.activity_location

ON activity_id.CITY_ID=activity_location.CITY_ID

LEFT JOIN mysqlproject.activity_rating

ON activity_id.CITY_ID=activity_rating.CITY_ID

LEFT JOIN mysqlproject.activity_date

ON activity_id.CITY_ID=activity_date.CITY_ID;

INPUT

SELECT DISTINCT CITY

FROM

       mysqlproject.ACTIVITY_TABLE_MAIN

GROUP BY CITY

HAVING

   COUNT(CITY) >4 ;

OUTPUT

CITY
AHEMDABAD
CHENNAI
GOA
JODHPUR
NEW DELHI

Q8. FIND HOTEL IN AMRITSAR ,WHICH HAVE AVL ROOM MORE THAN 1 AND HAVING AC FACILITY ?

CREATE VIEW

CREATE VIEW HOTEL_TABLE_MAIN AS

SELECT hotel_booking.LOCALITY_ID,hotel_booking.CITY,hotel_booking.HOTEL_NAME,

hotel_address.HOTEL_LOCALITY,hotel_address.STREET_ADDRESS,

home_stay_facility.ROOM_TYPE,hotel_booking.AVL_ROOM,

home_stay_facility.ROOM_FACILITY,hotel_booking.HOTEL_FARE,

hotel_booking.ROOM_SERVICES,hotel_booking.CHECK_IN_DATE,

hotel_booking.CHECK_IN_TIME,hotel_booking.CHECK_OUT_TIME,

home_stay_ratings.HOME_STAY_RATING

FROM

mysqlproject.hotel_address LEFT JOIN mysqlproject.hotel_booking

ON hotel_address.LOCALITY_ID=hotel_booking.LOCALITY_ID

LEFT JOIN mysqlproject.home_stay_facility

ON hotel_address.LOCALITY_ID=home_stay_facility.LOCALITY_ID

LEFT JOIN mysqlproject.home_stay_ratings

ON hotel_address.LOCALITY_ID=home_stay_ratings.LOCALITY_ID

GROUP BY hotel_ADDRESS.HOTEL_NAME

ORDER BY hotel_booking.LOCALITY_ID;

INPUT

SELECT HOTEL_TABLE_MAIN.HOTEL_NAME, HOTEL_TABLE_MAIN.HOTEL_LOCALITY,

HOTEL_TABLE_MAIN.HOTEL_FARE

FROM

mysqlproject.HOTEL_TABLE_MAIN

WHERE

      CITY='AMRITSAR'

  AND AVL_ROOM > 1

  AND ROOM_FACILITY = 'AC'

  GROUP BY HOTEL_TABLE_MAIN.HOTEL_NAME;

OUTPUT

HOTEL_NAME	HOTEL_LOCALITY	HOTEL_FARE
COURTYARD BY MARIOTT	KASHMIR AVENUE	6179
PARK INN BY RADISSON	NEAR AIRPORT	3680

Q9. WHICH HOTEL OR HOMESTAY IS BETTER IN DELHI AS PER THE FARE AND ROOM SERVICE ?

CREATE VIEW

CREATE VIEW HOMESTAY_TABLE_MAIN AS

SELECT home_stay_address.LOCALITY_ID,home_stay_address.HOME_STAY_NAME,

home_stay_address.CITY_NAME,home_stay_address.LOCALITY_NAME,

home_stay_address.LANDMARK,home_stay_details.HOME_STAY_ROOM_TYPE,

home_stay_check_in.CHECK_IN_DATE,home_stay_check_in.CHECK_IN_TIME,

home_stay_check_in.CHECK_OUT_TIME,home_stay_details.AVL_ROOM,

home_stay_details.GUEST,home_stay_details.BED_TYPE,home_stay_details.FARE,

home_stay_details.ROOM_SERVICE,home_stay_ratings.HOME_STAY_RATING

FROM

mysqlproject.home_stay_address LEFT JOIN mysqlproject.home_stay_details

ON home_stay_address.LOCALITY_ID=home_stay_details.LOCALITY_ID

LEFT JOIN mysqlproject.home_stay_check_in

ON home_stay_address.LOCALITY_ID=home_stay_check_in.LOCALITY_ID

LEFT JOIN mysqlproject.home_stay_ratings

ON home_stay_address.LOCALITY_ID=home_stay_ratings.LOCALITY_ID ;

CREATE VIEW

CREATE VIEW HOTEL_TABLE_MAIN AS

SELECT hotel_booking.LOCALITY_ID,hotel_booking.CITY,hotel_booking.HOTEL_NAME,

hotel_address.HOTEL_LOCALITY,hotel_address.STREET_ADDRESS,

home_stay_facility.ROOM_TYPE,hotel_booking.AVL_ROOM,

home_stay_facility.ROOM_FACILITY,hotel_booking.HOTEL_FARE,

hotel_booking.ROOM_SERVICES,hotel_booking.CHECK_IN_DATE,

hotel_booking.CHECK_IN_TIME,hotel_booking.CHECK_OUT_TIME,

home_stay_ratings.HOME_STAY_RATING

FROM

mysqlproject.hotel_address LEFT JOIN mysqlproject.hotel_booking

ON hotel_address.LOCALITY_ID=hotel_booking.LOCALITY_ID

LEFT JOIN mysqlproject.home_stay_facility

ON hotel_address.LOCALITY_ID=home_stay_facility.LOCALITY_ID

LEFT JOIN mysqlproject.home_stay_ratings

ON hotel_address.LOCALITY_ID=home_stay_ratings.LOCALITY_ID

GROUP BY hotel_ADDRESS.HOTEL_NAME

ORDER BY hotel_booking.LOCALITY_ID;

INPUT

```
SELECT HOMESTAY_TABLE_MAIN.HOME_STAY_NAME,HOMESTAY_TABLE_MAIN.FARE,

    HOMESTAY_TABLE_MAIN.AVL_ROOM,HOMESTAY_TABLE_MAIN.ROOM_SERVICE,

    HOTEL_TABLE_MAIN.HOTEL_NAME,HOTEL_TABLE_MAIN.HOTEL_FARE,

    HOTEL_TABLE_MAIN.AVL_ROOM,HOTEL_TABLE_MAIN.ROOM_SERVICES

FROM

mysqlproject.HOMESTAY_TABLE_MAIN LEFT JOIN mysqlproject.HOTEL_TABLE_MAIN

ON HOMESTAY_TABLE_MAIN.LOCALITY_ID=HOTEL_TABLE_MAIN.LOCALITY_ID

WHERE

    HOMESTAY_TABLE_MAIN.CITY_NAME = 'GOA'

    AND HOMESTAY_TABLE_MAIN.CHECK_IN_DATE ='2022-02-24'

    AND HOMESTAY_TABLE_MAIN.ROOM_SERVICE = 'YES'

    AND HOTEL_TABLE_MAIN.ROOM_SERVICES ='YES'

GROUP BY HOMESTAY_TABLE_MAIN.CITY_NAME;
```


OUTPUT

HOME_STAY_NAME	FARE	AVL_ROOM	ROOM_SERVICE	HOTEL_NAME	HOTEL_FARE	AVL_ROOM	ROOM_SERVICES
MAJESTIC ECO COMFORT	3695	6	YES	PARK INN BY RADISSON	3680	5	YES

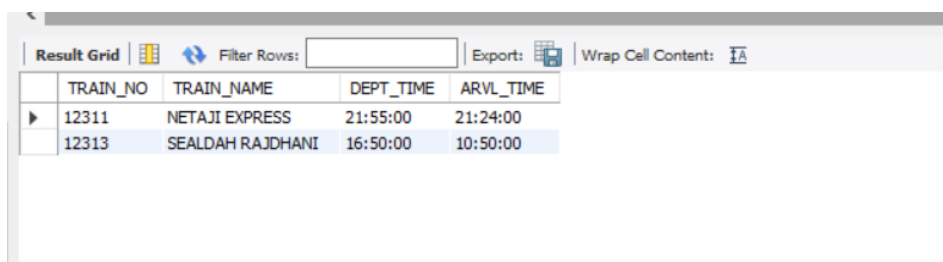**Q10. FIND TRAIN BETWEEN HOWRAH TO MUMBAI ON DATE 20TH FEB,2022 .**

CREATE VIEW

```
CREATE VIEW TRAIN_DATA AS

SELECT train_details.TRAIN_NO,train_details.TRAIN_NAME,

train_dept_date.DEPT_DATE,train_dept_time.UP_STATION,

train_dept_time.DEPT_TIME,train_arvl_time.DOWN_STATION,

train_arvl_time.ARVL_TIME

FROM mysqlproject.train_details LEFT JOIN  mysqlproject.train_dept_date

ON train_details.TRAIN_NO=train_dept_date.TRAIN_NO

LEFT JOIN mysqlproject.train_dept_time

ON train_details.TRAIN_NO=train_dept_time.TRAIN_NO

LEFT JOIN mysqlproject.train_arvl_time

ON train_details.TRAIN_NO=train_arvl_time.TRAIN_NO;
```


INPUT

```
SELECT TRAIN_DATA.TRAIN_NO,

     TRAIN_DATA.TRAIN_NAME,

       TRAIN_DATA.DEPT_TIME,

                         TRAIN_DATA.ARVL_TIME

FROM

   mysqlproject.TRAIN_DATA

WHERE

   TRAIN_DATA.UP_STATION='HOWRAH'

   AND TRAIN_DATA.DOWN_STATION='NEW DELHI'

   AND TRAIN_DATA.DEPT_DATE='2022-02-20';
```


OUTPUT

TRAIN_NO	TRAIN_NAME	DEPT_TIME	ARVL_TIME
12311	NETAJI EXPRESS	21:55:00	21:24:00
12313	SEALDAH RAJDHANI	16:50:00	10:50:00

Q11. FIND THE FARE OF TRAINS BETWEEN HOWRAH TO NEW DELHI ON DATE 20TH FEB,2022.

CREATE VIEW

CREATE VIEW TRAIN_DATA AS

SELECT train_details.TRAIN_NO,train_details.TRAIN_NAME,

train_dept_date.DEPT_DATE,train_dept_time.UP_STATION,

train_dept_time.DEPT_TIME,train_arvl_time.DOWN_STATION,

train_arvl_time.ARVL_TIME

FROM mysqlproject.train_details LEFT JOIN mysqlproject.train_dept_date

ON train_details.TRAIN_NO=train_dept_date.TRAIN_NO

LEFT JOIN mysqlproject.train_dept_time

ON train_details.TRAIN_NO=train_dept_time.TRAIN_NO

LEFT JOIN mysqlproject.train_arvl_time

ON train_details.TRAIN_NO=train_arvl_time.TRAIN_NO;

CREATE VIEW

CREATE VIEW TRAINS_DETAIL AS

select * from mysqlproject.train_sl_reservation

UNION

select * from mysqlproject.train_2s_reservation

UNION

select * from mysqlproject.train_3a_reservation

UNION

select * from mysqlproject.train_2a_reservation

UNION

select * from mysqlproject.train_1a_reservation ;

INPUT

SELECT TRAINS_DETAIL.TRAIN_NO,

    TRAINS_DETAIL.TRAIN_NAME,

     TRAINS_DETAIL.CLASS,

      TRAINS_DETAIL.FARE,

       TRAINS_DETAIL.SEATS,

        TRAINS_DETAIL.STATUS

FROM

  mysqlproject.TRAINS_DETAIL

WHERE

  TRAINS_DETAIL.UP_STATION='HOWRAH'

  AND TRAINS_DETAIL.DOWN_STATION='NEW DELHI'

  AND TRAINS_DETAIL.DEPT_DATE='2022-02-20';

OUTPUT

	TRAIN_NO	TRAIN_NAME	CLASS	FARE	SEATS	STATUS
▶	12311	NETAJI EXPRESS	SL	635	8	WL
	12311	NETAJI EXPRESS	2S	380	5	WL
	12311	NETAJI EXPRESS	3A	1665	3	TWL
	12313	SEALDAH RAJDHANI	3A	3040	19	WL
	12311	NETAJI EXPRESS	2A	2440	1	TWL
	12313	SEALDAH RAJDHANI	2A	3805	36	WL
	12311	NETAJI EXPRESS	1A	4045	16	AVL
	12313	SEALDAH RAJDHANI	1A	4760	12	WL

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⫶A

TRAINS_DETAIL 8 ⌄

Q12. FIND TRAIN DETAILS FROM HOWRAH TO CHENNAI ON DATE 20TH FEB,2022.

CREATE VIEW

CREATE VIEW TRAIN_DATA AS

SELECT train_details.TRAIN_NO,train_details.TRAIN_NAME,

train_dept_date.DEPT_DATE,train_dept_time.UP_STATION,

train_dept_time.DEPT_TIME,train_arvl_time.DOWN_STATION,

train_arvl_time.ARVL_TIME

FROM mysqlproject.train_details LEFT JOIN mysqlproject.train_dept_date

ON train_details.TRAIN_NO=train_dept_date.TRAIN_NO

LEFT JOIN mysqlproject.train_dept_time

ON train_details.TRAIN_NO=train_dept_time.TRAIN_NO

LEFT JOIN mysqlproject.train_arvl_time

ON train_details.TRAIN_NO=train_arvl_time.TRAIN_NO;

INPUT

SELECT TRAIN_DATA.TRAIN_NO,

    TRAIN_DATA.TRAIN_NAME,

    TRAIN_DATA.DEPT_DATE,

    TRAIN_DATA.DEPT_TIME,

    TRAIN_DATA.ARVL_TIME,

    TRAINS_DETAIL.CLASS,

    TRAINS_DETAIL.FARE,

    TRAINS_DETAIL.SEATS,

    TRAINS_DETAIL.STATUS

FROM mysqlproject.TRAINS_DETAIL LEFT JOIN mysqlproject.TRAIN_DATA

ON TRAINS_DETAIL.TRAIN_NO =TRAIN_DATA.TRAIN_NO

WHERE

   TRAIN_DATA.UP_STATION='HOWRAH'

   AND TRAIN_DATA.DOWN_STATION='CHENNAI'

   AND TRAIN_DATA.DEPT_DATE='2022-02-20'

GROUP BY TRAINS_DETAIL.CLASS ;

OUTPUT

TRAIN_NO	TRAIN_NAME	DEPT_DATE	DEPT_TIME	ARVL_TIME	CLASS	FARE	SEATS	STATUS
12839	HWH MAS SUF EXP	2022-02-20	23:55:00	03:00:00	SL	695	287	WL
12839	HWH MAS SUF EXP	2022-02-20	23:55:00	03:00:00	3A	1825	24	WL
12839	HWH MAS SUF EXP	2022-02-20	23:55:00	03:00:00	2A	2625	11	WL
12839	HWH MAS SUF EXP	2022-02-20	23:55:00	03:00:00	1A	4460	2	WL

TRIGGERS

1. BEFORE DELETE TRIGGER

USE MYSQLPRPOJECT

DELIMITER $$

USE `mysqlproject`$$

CREATE DEFINER = CURRENT_USER TRIGGER `mysqlproject`.`cab_fare_BEFORE_DELETE` BEFORE DELETE ON `cab_fare` FOR EACH ROW

BEGIN

INSERT INTO `mysqlproject`.`cab_fare_BEFORE_DELETE` (`CAB_ID`,`UP_STATION`,`DOWN_STATION`, `CAB_FARE`)

VALUES (OLD.`CAB_ID`,OLD.`UP_STATION`,OLD.`DOWN_STATION`, OLD.`CAB_FARE`);

END$$

DELIMITER ;

CHECK

USE MYSQLPROJECT;

CREATE TABLE `cab_fare_BEFORE_DELETE`

(`CAB_ID` int NOT NULL,

 `CAB_TYPE` varchar(45) ,

 `UP_STATION` varchar(200) ,

 `DOWN_STATION` varchar(200) ,

 `SEATER` int ,

 `CAB_FARE` int ,

 `CAB_AVG_RATE_KM` float8 ,

 `deletedAt` TIMESTAMP DEFAULT NOW(),

 PRIMARY KEY (`CAB_ID`,`UP_STATION`,`DOWN_STATION`)

 );

 ## CHECK FOR TRIGGER RUN OR NOT

 DELETE FROM cab_fare

 WHERE CAB_ID ='101'

 AND UP_STATION = 'AGRA'

2. BEFORE UPDATE TRIGGER

```
use mysqlproject;
DELIMITER $$
CREATE TRIGGER `mysqlproject`.`before_cab_fare_update`
   BEFORE UPDATE
   ON `mysqlproject`.`cab_fare` FOR EACH ROW
BEGIN
    DECLARE errorMessage VARCHAR(255);
   SET errorMessage = CONCAT('The new cab fare ',
            NEW.cab_fare,
            ' cannot be 2 times greater than the current cab_fare ',
            OLD.Cab_fare);


   IF new.cab_fare > old.cab_fare * 2 THEN
     SIGNAL SQLSTATE '45000'
        SET MESSAGE_TEXT = errorMessage;
   END IF;
END$$
DELIMITER ;
```

CHECK

```
SELECT * FROM mysqlproject.cab_fare;


use mysqlproject;
Update cab_fare
set cab_fare = '8700'
where UP_STATION = 'AMRITSAR';


use mysqlproject;
Update cab_fare
```

```
set cab_fare = '8300'

where UP_STATION = 'AMRITSAR';


use mysqlproject;

Update cab_fare

set cab_fare = '4300'

where UP_STATION = 'AMRITSAR';
```