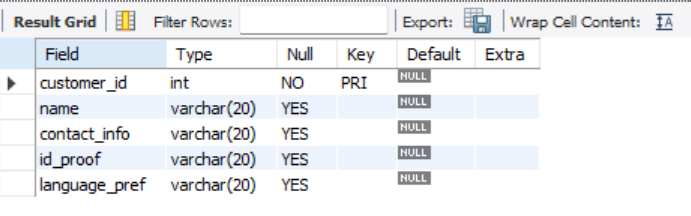
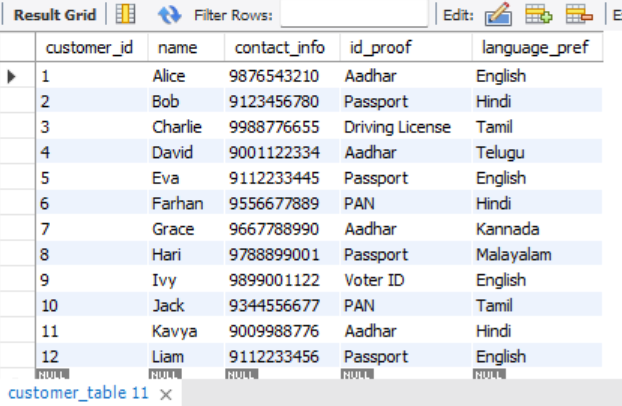
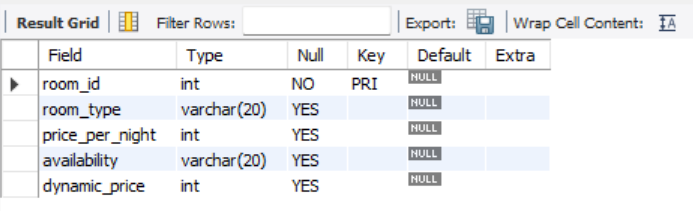
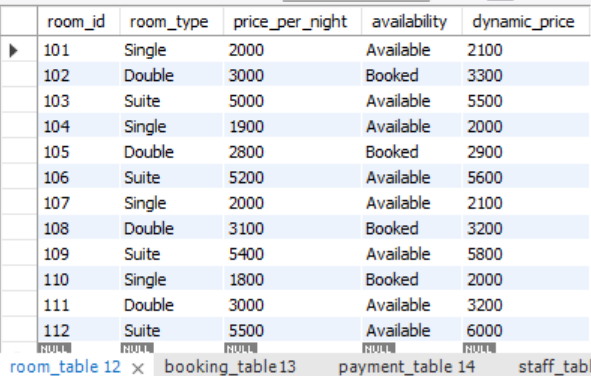
1.Customer\_table:

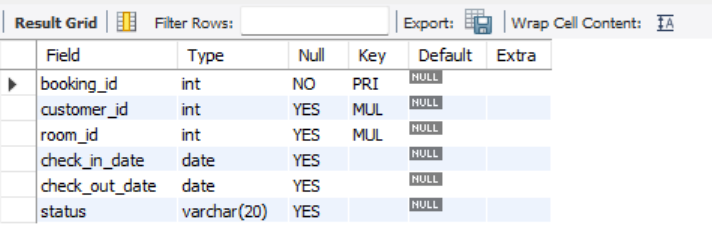


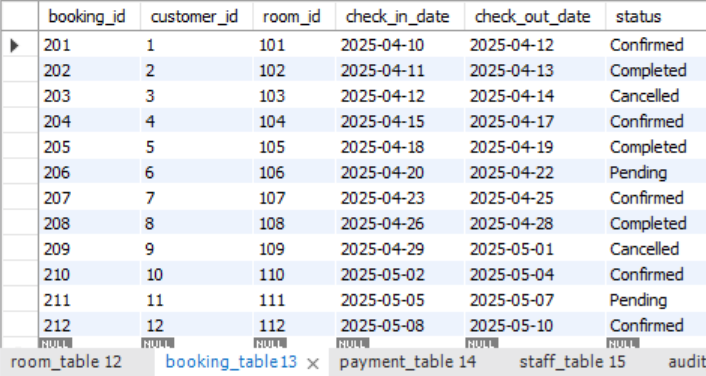


2.room\_table  


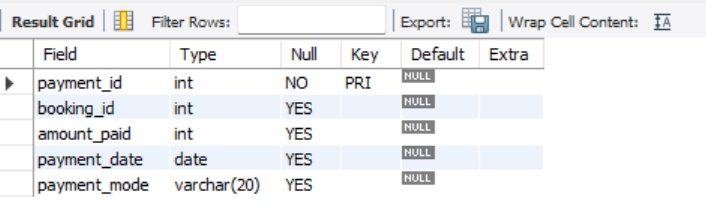


3.booking\_table:



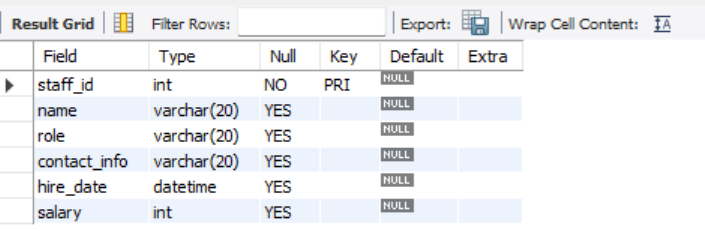


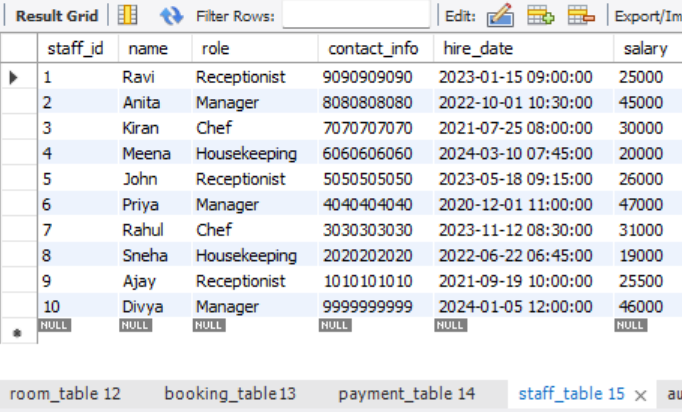
4.payment\_table:



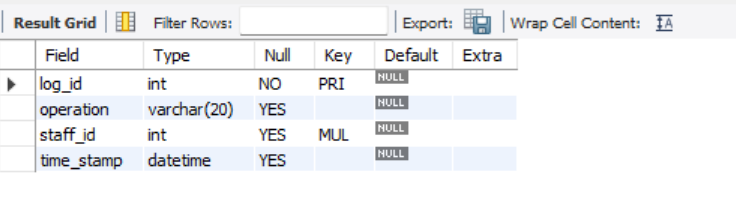


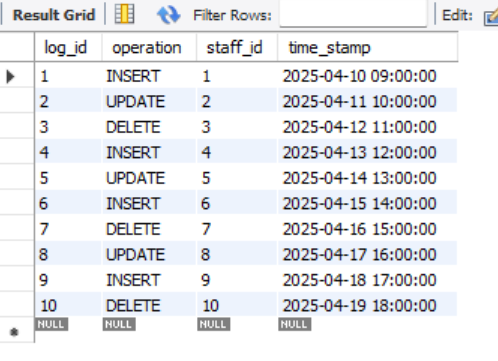
5.staff\_table:

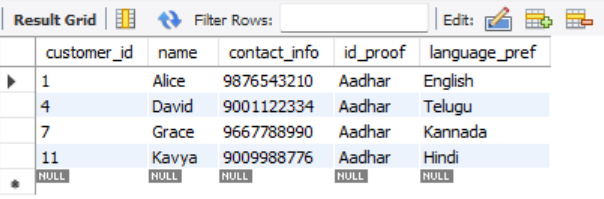
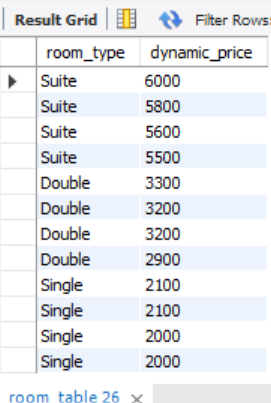




6.audit\_table:



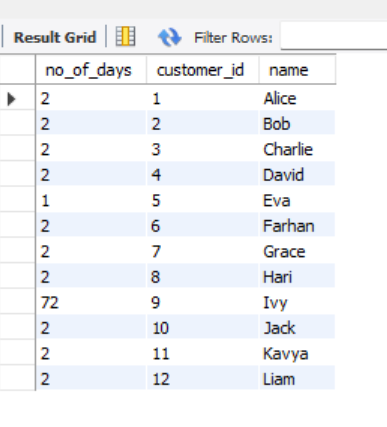


Operations  
1. select \* from customer\_table where id\_proof="Aadhar";  
  
2. select room\_type,dynamic\_price from room\_table order by dynamic\_price desc;  


3. alter table payment\_table modify column amount\_paid DECIMAL(10,2);

select amount\_paid from payment\_table;  


4. select (check\_out\_date - check\_in\_date)as no\_of\_days,customer\_id,

(select name from customer\_table where customer\_table.customer\_id=booking\_table.customer\_id) as name from booking\_table;  


5. #adding column staff\_id to room\_table

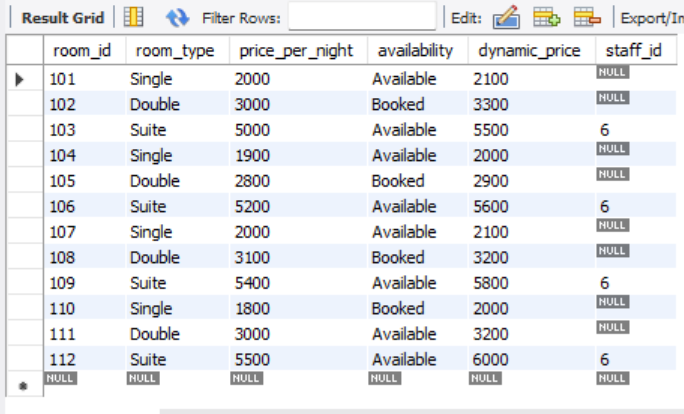
alter table room\_table add staff\_id int;

#disabiling safe update mode

SET SQL\_SAFE\_UPDATES = 0;

#appoint staff with highest pay to suite room\_type

update room\_table set staff\_id=(select staff\_id from staff\_table order by salary desc limit 1) where room\_type="suite";

select \* from room\_table;  


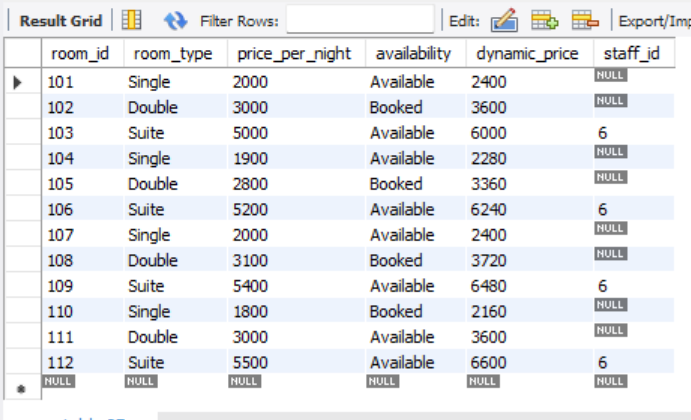
6. update room\_table set dynamic\_price=price\_per\_night\*

case when month(current\_date) in (12,4,8) then 1.2

when month(current\_date) in (5,6,10) then 1.1

else 1.0

end;

select \* from room\_table;  


7. #displaying name of the staff a swell

SELECT

r.room\_id,

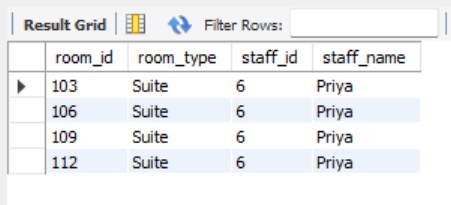
r.room\_type,

r.staff\_id,

s.name AS staff\_name

FROM room\_table r

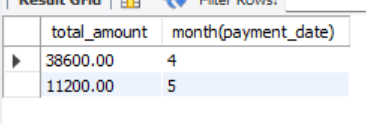
LEFT JOIN staff\_table s ON r.staff\_id = s.staff\_id

WHERE r.room\_type = 'suite';  


8.revenue report

select sum(amount\_paid) as total\_amount, month(payment\_date) from payment\_table

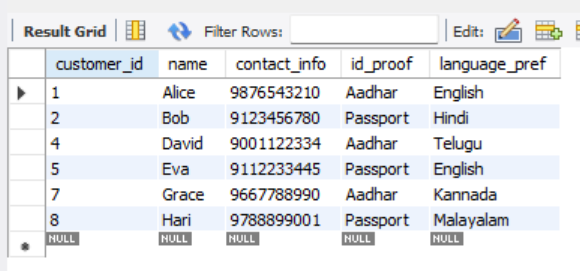
group by month(payment\_date);



9. to find the customer details whose april month bookins are completed or confirmed

select \* from customer\_table where customer\_id in

(select customer\_id from booking\_table where month(check\_in\_date)=4 and status='Confirmed' or status='Completed');



10.to assign staff for each room type along with their id and name in room\_table

update room\_table set staff\_id=(select staff\_id from staff\_table order by hire\_date asc limit 1) where room\_type='Single';

update room\_table set staff\_id=(select staff\_id from staff\_table order by hire\_date asc limit 1 offset 1) where room\_type='Double';

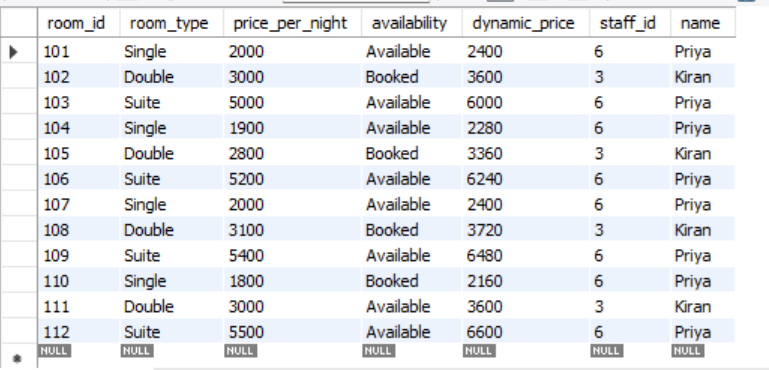
UPDATE room\_table r

JOIN staff\_table s ON r.staff\_id = s.staff\_id

SET r.name = s.name

WHERE r.staff\_id IS NOT NULL;

select \*from room\_table;



11.triggereing

DELIMITER //

CREATE TRIGGER log\_staff\_insert

AFTER INSERT ON staff\_table

FOR EACH ROW

BEGIN

INSERT INTO audit\_table(operation, staff\_id, time\_stamp)

VALUES('INSERT', NEW.staff\_id, NOW());

END;

DELIMITER ;