

## --SQL Queries

SET search\_path TO Tourism\_Management\_System;

### --1) Retrieve the packages within a particular price range

```
SELECT * FROM package WHERE amount >= 15000 and amount <= 20000;
```

### --2) Show the list of top 5 packages based on the number of users who selected it.

```
SELECT COUNT (pack.packageid), pack.title, pack.duration, pack.no_of_people, pack.amount  
FROM package AS pack
```

```
JOIN (SELECT * FROM Booking_for_package) AS bfp ON (bfp.PackageID = pack.PackageID)
```

```
GROUP BY pack.title, pack.duration, pack.amount, pack.no_of_people
```

```
ORDER BY COUNT (pack.packageID) DESC;
```

### --3) View list of all the tourist spots at a particular location.

```
SELECT ts."Name", ts.season, ts.ratings,
```

```
CONCAT (ts.address,', ',l.city,', ',l.state, ' - ',ts.pincod) AS "Address"
```

```
FROM tourist_spots AS ts JOIN location AS l ON ts.pincod = l.pincod
```

```
where l.city = 'Kullu'
```

### --4) View the tourist spots included in "abc" package.

```
SELECT p.title, p.duration, p.no_of_people, p.amount,
```

```
ts."Name", ts.season, ts.ratings,
```

```
CONCAT (ts.address,', ',l.city,', ',l.state, ' - ',ts.pincod) AS "Address"
```

```
FROM tourist_spots AS ts
```

```
JOIN package_includes_spots pt ON(pt.spotid = ts.spotid)
```

```
JOIN package AS p ON (p.packageid = pt.packageid)
```

```
JOIN location AS l ON ts.pincod = l.pincod
```

```
where p.title = 'Manali Tour'
```

**--5) Retrieve the tourist spot with highest user ratings**

```
SELECT "Name", season, ts2.ratings,  
CONCAT (ts1.address,', ', l.city,', ', l.state, ' - ', ts1.pincode) AS "Address"  
FROM tourist_spots AS ts1  
JOIN (SELECT MAX (ratings) AS ratings FROM tourist_spots) AS ts2  
ON (ts1.ratings = ts2.ratings)  
JOIN Location as l ON (ts1.pincode = l.pincode);
```

**--6) View all the restaurants that serve “only veg” food.**

```
SELECT r."Name", r.phone, r.foodType, r.ratings,  
CONCAT (r.address,', ', l.city, ', ', l.state, ' - ', r.pincode) AS "Address"  
FROM restaurant AS r JOIN location AS l ON r.pincode = l.pincode  
where r.foodType = 'VEG'
```

**--7) Retrieve list of all the restaurants at “abc” location.**

```
SELECT r."Name", r.phone, r.foodType, r.ratings,  
CONCAT (r.address,', ', l.city, ', ', l.state, ' - ', r.pincode) AS "Address"  
FROM restaurant AS r JOIN location AS l ON r.pincode = l.pincode  
where l.city = 'Ahmedabad'
```

**--8) View all the restaurants that have “Chinese” cuisine included in their menu.**

```
SELECT r."Name", r.phone, r.foodType, r.ratings, rc.cuisines,  
CONCAT (r.address,', ', l.city, ', ', l.state, ' - ', r.pincode) AS "Address"  
FROM restaurant AS r JOIN location AS l ON r.pincode = l.pincode  
JOIN restaurant_cuisines AS rc ON r.rid = rc.rid WHERE rc.cuisines = 'Chinese'
```

**--9) Retrieve all the hotels that are situated at location “xyz”.**

```
SELECT h."Name", h.phone, h.foodType, h.ratings,
```

```
CONCAT (h.address,', ', l.city,', ', l.state,' - ', h.pincode) AS "Address"
FROM hotel AS h JOIN location AS l ON h.pincode = l.pincode WHERE l.city = 'Ahmedabad'
```

**--10) Retrieve list of hotels that are providing “xyz” services.**

```
SELECT h."Name", h.phone, h.foodType, h.ratings,hs.services,
CONCAT (h.address,', ', l.city,', ', l.state,' - ', h.pincode) AS "Address"
FROM hotel AS h JOIN location AS l ON h.pincode = l.pincode
JOIN hotel_services AS hs ON h.hotelid = hs.hotelid
where hs.services = 'Gym'
```

**--11) Retrieve the hotel with highest user ratings**

```
SELECT h."Name", h.phone, h.foodType, h.ratings,
CONCAT (h.address,', ', l.city,', ', l.state,' - ', h.pincode) AS "Address"
FROM hotel AS h JOIN location AS l ON h.pincode = l.pincode
where h.ratings IN (SELECT max(ratings) from hotel)
```

**--12) Retrieve list of hotels sorted according to their user ratings.**

```
SELECT h."Name", h.phone, h.foodType, h.ratings,
CONCAT (h.address,', ', l.city,', ', l.state,' - ', h.pincode) AS "Address"
FROM hotel AS h JOIN location AS l ON h.pincode = l.pincode
ORDER BY h.ratings DESC
```

**--13) View list of hotel rooms starting from the Lowest Price to Highest Price.**

```
SELECT h."Name" As "Hotel_Name", r.room_no AS "Room_Number", r."Type" AS
"Room_Type",
r.beds AS "No_of_Beds", r.capacity AS "Capacity", r.rate AS "Price", r.status As
"Current_Status"
FROM hotel AS h JOIN room AS r ON h.hotelid = r.hotelid
ORDER BY r.rate,h."Name", r.room_no
```

**--14) Retrieve list of hotel rooms that have “Cable TV” facility at a particular location.**

```
SELECT h."Name" AS "Hotel_Name",r.room_no AS "Room_Number", r."Type" AS  
"Room_Type",  
  
r.beds AS "No_of_Beds", r.capacity AS "Capacity", r.rate AS "Price", r.status AS  
"Current_Status", rf.facility, l.city  
  
FROM hotel AS h JOIN location AS l ON h.pincode = l.pincode  
  
JOIN room AS r ON h.hotelid = r.hotelid  
  
JOIN room_facilities AS rf ON (h.hotelid=rf.hotelid and r.room_no=rf.roomno)  
  
WHERE rf.facility='Cable TV' and l.city = 'Amritsar'  
  
ORDER BY h."Name", r.room_no
```

**--15) Retrieve all the packages associated with a particular guide. (admin)**

```
SELECT CONCAT (g.fname,' ', g.lname) AS "Guide_Name",  
  
p.title AS "Package_Name", p.duration as "Duration (In Days)",  
  
p.no_of_people AS "No_Of_People", p.amount AS "Amount"  
  
FROM guide AS g JOIN package_includes_guides AS pg ON (g.guideid=pg.guideid)  
  
JOIN package AS p ON (pg.packageid=p.packageid)  
  
WHERE g.fname='Sachin' and g.lname='Bhide'
```

**--16) Retrieve the list of all package associated with a particular hotel.**

```
SELECT h."Name" AS "Hotel_Name",  
  
p.title AS "Package_Name", p.duration as "Duration (In Days)",  
  
p.no_of_people AS "No_Of_People", p.amount AS "Amount"  
  
FROM hotel AS h JOIN package_includes_hotels AS ph ON (h.hotelid=ph.hotelid)  
  
JOIN package AS p ON (ph.packageid=p.packageid)  
  
WHERE h."Name"='Hotel Thomas Villa'
```

**--17) Retrieve all the packages which include “xyz” spots.**

```
SELECT t."Name" AS "Spot_Name",  
  
p.title AS "Package_Name", p.duration as "Duration (In Days)",
```

```

p.no_of_people AS "No_Of_People", p.amount AS "Amount"
FROM tourist_spots AS t JOIN package_includes_spots AS ps ON (t.spotid=ps.spotid)
JOIN package AS p ON (ps.packageid=p.packageid)
WHERE t."Name"='Manali'

```

**--18) Best tourist place to visit in “xyz” season.**

```

SELECT ts."Name" AS "Spot_Name", ts.season AS "Season", ts.ratings AS "Ratings",
CONCAT (ts.address,', ',l.city,', ',l.state,' - ',ts.pincode) AS "Address"
FROM tourist_spots AS ts JOIN "location" AS l
ON ts.pincode=l.pincode
WHERE ts.season='Winter'

```

**--19) Name and address of hotels which provides rooms between specific price range.**

```

SELECT h."Name" As "Hotel_Name",r.room_no AS "Room_Number", r."Type" AS
"Room_Type",
r.beds AS "No_of_Beds", r.capacity AS "Capacity", r.rate AS "Price", r.status As
"Current_Status",
rf.facility, CONCAT(h.address,', ', l.city,', ', l.state,' - ', h.pincode) AS "Address"
FROM hotel AS h JOIN location AS l ON h.pincode = l.pincode
JOIN room AS r ON h.hotelid = r.hotelid
LEFT JOIN room_facilities AS rf ON (h.hotelid=rf.hotelid and r.room_no=rf.roomno)
WHERE r.rate between 1500 and 2000
ORDER BY r.rate, h."Name", r.room_no

```

**--20) Retrieve list of all the guides which are not associated with any active packages.**

```

SELECT CONCAT (g.fname,' ', g.lname) AS "Guide_Name", g.email, g.phone, g.age, g.gender,
CONCAT (g.address,', ',l.city,', ',l.state,' - ',g.pincode) AS "Address"
FROM guide AS g JOIN "location" AS l ON (g.pincode=l.pincode)
WHERE g.guideid NOT IN
(SELECT guideid from package_includes_guides AS pg

```

```
JOIN (Select * from package where isActive='TRUE') AS p ON (pg.packageid=p.packageid))
```