```
db.TouristPlaces.insertMany([
 { _id: 1, name: "Tourist Place 1", state: "KARNATAKA", distance_from_capital: 100, history:
"Historical Site 1" },
 { _id: 2, name: "Tourist Place 2", state: "KARNATAKA", distance_from_capital: 150, history:
"Historical Site 2" },
// ... other Tourist Places
1);
db.Tourists.insertMany([
 { id: 1, name: "Tourist A", age: 25, country: "India", emailIds: ["emailA@example.com"] },
 { _id: 2, name: "Tourist B", age: 30, country: "USA", emailIds: ["emailB@example.com"] visit:
[]},
 // ... other Tourists
]);
db.TouristVisits.insertMany([
 { tourist_id: 1, place_id: 1, visit_date: ISODate("2023-01-15") },
 { tourist id: 1, place id: 2, visit date: ISODate("2023-02-20") },
 // ... other Tourist Visits
]);
Query 1) List the state name with max num of tourist place
db.TouristPlaces.aggregate([
 { $group: { id: "$state", count: { $sum: 1 } } },
{ $sort: { count: -1 } },
 { $limit: 1 }
1);
Query 2) List the toutist place where max number of tourist visited
db.TouristVisits.aggregate([
 { $group: { _id: "$place_id", count: { $sum: 1 } } },
 { $sort: { count: -1 } },
 { $limit: 1 },
  $lookup: {
   from: "TouristPlaces",
    localField: " id",
    foreignField: " id",
```

```
as: "touristPlaceDetails"
  }
 },
 { $unwind: "$touristPlaceDetails" },
 { $project: { _id: "$touristPlaceDetails._id", name: "$touristPlaceDetails.name", state:
"$touristPlaceDetails.state", num visits: "$count" } }
1);
Query 3) tourist visited all tourist places of state karnataka
db.Tourists.find({
 country: "India",
 _id: {
  $nin: db.TouristVisits.distinct("tourist_id", { place_id: { $in: db.TouristPlaces.find({ state:
"KARNATAKA" }).map(function(doc) {
return doc._id;
}
) } })
}
});
Query 4) tputist visited at lest one tpurist place of state, but
db.Tourists.find({
 id: {
  $nin: db.TouristVisits.distinct("tourist_id", { place_id: { $nin: db.TouristPlaces.find({ state:
"KARNATAKA" }).map(function(doc) { return doc._id; }) } })
}
});
Query 5) dsiplay tourist place visted by all country
db.TouristPlaces.find({
 _id: {
  $in: db.TouristVisits.distinct("place_id", { tourist_id: { $in: db.Tourists.distinct("_id", { country: {
$nin: ["India", "USA"] } }) } })
 }
});
```