JOINS Scenarios

1. **Create a joins query to display the employee names, branch id, airline company and name of the city.**

Select Employee.BrID, Employee.Name, Branch.Airline\_name, Branch.City\_name from Employee, Branch where Employee.BrID = Branch.BrID order by Employee.BrID;

1. **Create a joins query to display the passengers’ names, id, nationality, booking date and flight id.**

Select Passenger.Ps\_ID, Passenger.Name, Passenger.Nationality, Booking\_ticket.BookingDate, Booking\_ticket.Flight\_ID from Passenger, Booking\_ticket where Passenger.Ps\_ID = Booking\_ticket.Ps\_ID order by Passenger.Ps\_ID;

1. **Create a joins query to display the scheduled flights’ id, arrival, departure and with delayed flight status.**

Select FlightSchedule.Flight\_ID, FlightSchedule.Arrival, FlightSchedule.Departure, Flight\_Status.F\_Status from FlightSchedule, Flight\_Status where FlightSchedule.Flight\_ID = Flight\_Status.Flight\_ID and Flight\_Status.F\_Status='Delayed';

1. **Write a joins query to display the brief details of passengers who cancelled flights.**

Select Passenger.Ps\_ID, Passenger.Name, Cancellation.Flight\_ID, Cancellation.Cancel\_time from Passenger, Cancellation where Passenger.Ps\_ID = Cancellation.Ps\_ID;

1. **Write a joins query to display the brief details of passengers who extended scheduled flights.**

Select Passenger.Ps\_ID, Passenger.Name, Extension.Flight\_ID, Extension.Ext\_time from Passenger, Extension where Passenger.Ps\_ID = Extension.Ps\_ID;

1. **Create a query to display the aircrafts and their route details (source and destination).**

Select AC.Airline\_name, AC.AcID, Rt.City\_name, Rt.Destination from AirCraft as AC, Route as Rt where AC.AcID = Rt.AcID;

**(3 TABLES JOINS)**

1. **Write a joins query to display the passenger details, its booking date, flight id and Travelling class from three tables.**

Select PS.Ps\_ID, PS.Name, BT.BookingDate, BT.Flight\_ID, TC.Travel\_Class\_ID, TC.Name from Passenger AS PS, Booking\_ticket AS BT, TravelClass AS TC where PS.Ps\_ID = BT.Ps\_ID and BT.Travel\_Class\_ID = TC.Travel\_Class\_ID;

1. **Write a joins query to display the fares of the passengers with respect to their travelling classes ordered by fares.**

Select PS.Ps\_ID, PS.Name, TC.Name, AF.Fare from Passenger as PS, TravelClass as TC, AirFare as AF where PS.Ps\_ID=AF.Ps\_ID and TC.Travel\_Class\_ID=AF.Travel\_Class\_ID order by AF.Fare DESC;

**(4 TABLES JOINS)**

1. **Write a joins query to display the list of employees that booked flight for passengers at a particular branch.**

Select EP.Emp\_ID, EP.Name, BR.BrID, BR.Airline\_name, PS.Ps\_ID, PS.Name, BT.BookingDate from Employee AS EP, Branch AS BR, Passenger AS PS, Booking\_ticket AS BT where EP.Emp\_ID = BT.Emp\_ID and PS.Ps\_ID = BT.Ps\_ID and BT.BrID = BR.BrID;

1. **Create a joins query to display the list of branches of the airlines companies and their locations by city, state and country.**

Select Br.BrID, Br.Branch\_type, Ct.City\_name, St.StateName, Cty.CountryName from Branch AS Br, City AS Ct, State AS St, Country AS Cty where Br.StID = Ct.StID and Ct.StID = St.StID and St.CtID = Cty.CtID;