

## Example SQL Select

1) Retrieve ID, first and last name of passengers.

```
Select p.PassengerID, p.FirstName, p.LastName  
From Passenger p
```

2) Retrieve first & last name, flight date & time and seat number for passengers,

```
Select p.FirstName, p.LastName, f.FlightDate, f.FlightTime, fp.SeatNo  
From Passenger p inner join FlightPassenger fp on p.PassengerID = fp.PassengerID  
inner join Flight f on fp.FlightID = f.FlightID
```

3) How many flights are there totally?

```
Select count(*) From Flight
```

4) Retrieve airline company and its total flights?

```
Select f.Airline Company, count(*) TotalFlights  
From Flight f
```

Group By f.Airline Company

5) Retrieve ID, first and last name of passengers with the number of flights. Discard the passengers who have less than 5 flights.

```
Select p.PassengerID, p.FirstName, p.LastName, count(*) NoOfFlights  
From Passenger p inner join FlightPassenger fp on p.PassengerID = fp.PassengerID  
Group By p.PassengerID, p.FirstName, p.LastName  
Having count(*) >= 5
```

6) Retrieve PassengerID, last, departure, arrival airports for the passengers who graduate the 40 Arrivals will be in Istanbul. Eliminate redundant rows. Order by last name and depart

```
Select distinct p.PassengerID, p.LastName, f.FromAirport, f.ToAirport  
From Passenger p inner join FlightPassenger fp on p.PassengerID = fp.PassengerID  
inner join Flight f on fp.FlightID = f.FlightID  
Where p.Age > 40 and f.ToAirport like '%Istanbul%'  
Order By p.LastName, f.FromAirport
```