مجموع بلیط های فروخته شده توسط هر آژانس:

SELECT Agency.name, COUNT(Buying.ticketNO) AS SoldTickets

FROM Agency

LEFT JOIN Ticket ON Agency.registerationNO = Ticket.AgencyregisterationNO

LEFT JOIN Buying ON Ticket.ticketNO = Buying.ticketNO

GROUP BY Agency.registerationNO;

```
+----------------+-------------+
| name           | SoldTickets |
+----------------+-------------+
| Asmane Sepid   |           3 |
| Sabz Gasht     |           2 |
| Safar Omid     |           2 |
| ShahrTash Seir |           2 |
+----------------+-------------+
```

نام و وظیفه خدمه پرواز های ایرلاین Iran Air به همراه شماره پرواز:

SELECT Members.Name AS member_name, Members.job, Flight.flightNO, Airline.name AS airline_name

FROM Members

INNER JOIN Flight ON Members.FlightflightNO = Flight.flightNO

INNER JOIN Airline ON Flight.Airlinecode = Airline.code

WHERE Airline.name LIKE 'Iran Air';

```
+------------------+-------------+----------+--------------+
| member_name      | job         | flightNO | airline_name |
+------------------+-------------+----------+--------------+
| Mehrdad Jafari   | Pilot       |     1003 | Iran Air     |
| Nasrin Mohammadi | Co-Pilot    |     1003 | Iran Air     |
| Amir Talebi      | Cabin Crew  |     1003 | Iran Air     |
| Ahmad Rezaei     | Technician  |     1003 | Iran Air     |
| Reza Davoodi     | Pilot       |     1003 | Iran Air     |
| Sanaz Rostami    | Cabin Crew  |     1005 | Iran Air     |
| Ehsan Fallahi    | Technician  |     1005 | Iran Air     |
| Sara Khosravi    | Pilot       |     1005 | Iran Air     |
| Khosro Ebrahimi  | Co-Pilot    |     1005 | Iran Air     |
+------------------+-------------+----------+--------------+
```

میانگین سن مسافرینی که بلیط تهیه کرده اند بر اساس جنسیتشان:

SELECT Passenger.gender, AVG(Passenger.age) AS AgeAVG

FROM Passenger

JOIN Buying ON Passenger.PassengerID = Buying.PassengerID

GROUP BY Passenger.gender;

```
+--------+---------+
| gender | AgeAVG  |
+--------+---------+
| Female | 42.0000 |
| Male   | 19.6667 |
+--------+---------+
```

شماره و مبلغ و نام آژانس بلیط هایی که برای ایرلاین Mahan Air صادر شده اند:

SELECT Ticket.ticketNO, Ticket.fee, Agency.name

FROM Ticket

INNER JOIN Partnership ON Ticket.AgencyregisterationNO = Partnership.registerationNO

INNER JOIN Agency ON Partnership.registerationNO = Agency.registerationNO

LEFT JOIN Airline ON Partnership.code = Airline.code

WHERE Airline.name LIKE 'Mahan Air';

```
+----------+--------+----------------+
| ticketNO | fee    | name           |
+----------+--------+----------------+
|        1 | 100000 | Asmane Sepid   |
|        3 | 700000 | Asmane Sepid   |
|        9 | 375000 | Asmane Sepid   |
|        2 | 400000 | Sabz Gasht     |
|        4 | 250000 | Sabz Gasht     |
|        5 | 250000 | Safar Omid     |
|        6 | 300000 | Safar Omid     |
|        7 | 300000 | ShahrTash Seir |
|        8 | 500000 | ShahrTash Seir |
+----------+--------+----------------+
```

شماره و مبدا و مقصد بلیط هایی که ایرلاین آنها در استان اصفهان است به همراه نام ایرلان:

SELECT Flight.flightNO, Flight.origin, Flight.destination, Airline.name

FROM Flight

INNER JOIN Airline ON Flight.Airlinecode = Airline.code

INNER JOIN Address ON Airline.addressID = Address.addressID

WHERE Address.province = 'Esfahan';

```
+----------+---------+-------------+--------------+
| flightNO | origin  | destination | airline_name |
+----------+---------+-------------+--------------+
|     1001 | Mashhad | Shiraz      | Mahan Air    |
|     1002 | Esfahan | Shiraz      | Mahan Air    |
|     1003 | Shiraz  | Kerman      | Iran Air     |
|     1005 | Mashhad | Shiraz      | Iran Air     |
+----------+---------+-------------+--------------+
```