

## Простые операторы SELECT

SELECT name FROM Passenger

SELECT name FROM Company

SELECT \* FROM Trip  
WHERE town\_from='Moscow'

SELECT name FROM Passenger  
WHERE name LIKE '%man'

SELECT COUNT(\*) AS count FROM Trip  
WHERE plane='TU-134'

SELECT DISTINCT plane FROM Trip  
WHERE town\_to='Moscow'

SELECT town\_to, TIMEDIFF(time\_in, time\_out) AS flight\_time FROM Trip  
WHERE town\_from='Paris'

SELECT \* FROM Trip  
WHERE time\_out BETWEEN '1900-01-01 10:00:00' AND '1900-01-01 14:00:00'

SELECT name FROM Passenger  
ORDER BY LENGTH(name) DESC  
LIMIT 1

SELECT trip, COUNT(Passenger) AS count FROM Pass\_in\_trip  
GROUP BY trip

SELECT name FROM Passenger  
GROUP BY name  
HAVING COUNT(name)>1

## Вложенные запросы

SELECT Company.name FROM Company  
WHERE Company.id IN  
(SELECT Company FROM Trip WHERE plane='Boeing')

SELECT Company.name FROM Company  
WHERE Company.id IN  
(SELECT Trip.company FROM Trip WHERE Trip.town\_from='Vladivostok')

SELECT Trip.town\_to FROM Trip  
WHERE Trip.id IN  
(SELECT Pass\_in\_trip.trip FROM Pass\_in\_trip WHERE Pass\_in\_trip.passenger IN  
(SELECT Passenger.id FROM Passenger WHERE Passenger.name='Bruce Willis'))

SELECT time\_in FROM Trip  
WHERE town\_to='London' AND Trip.id IN  
(SELECT trip FROM Pass\_in\_trip WHERE passenger=  
(SELECT Passenger.id FROM Passenger WHERE name='Steve Martin'))

SELECT member\_name FROM FamilyMembers  
WHERE YEAR(birthday)=(SELECT MIN(YEAR(birthday)) FROM FamilyMembers)

```
SELECT Schedule.classroom FROM Schedule
GROUP BY classroom
HAVING COUNT(*)= (SELECT MAX(count) FROM
(SELECT COUNT(*) AS count FROM Schedule GROUP BY classroom) AS table1)
```

```
SELECT status FROM FamilyMembers
WHERE member_id IN(
SELECT family_member FROM Payments
WHERE good IN(
SELECT good_id FROM Goods
WHERE good_name='potato'))
```

```
SELECT good_name FROM Goods
WHERE good_id NOT IN
(SELECT good FROM Payments WHERE YEAR(date)=2005)
```

```
SELECT member_name FROM FamilyMembers
WHERE status='mother'
```

### Присоединение таблиц

```
SELECT name, COUNT(trip) AS count FROM Passenger
JOIN Pass_in_trip ON Pass_in_trip.passenger=Passenger.id
GROUP BY Passenger.name
ORDER BY count DESC, name ASC
```

```
SELECT member_name, status, SUM(Payments.amount*Payments.unit_price) AS costs FROM FamilyMembers
JOIN Payments ON Payments.family_member=FamilyMembers.member_id
WHERE Payments.date LIKE '2005%'
GROUP BY member_name, status
```

```
SELECT status, member_name, SUM(Payments.amount*Payments.unit_price) AS costs FROM FamilyMembers
JOIN Payments ON Payments.family_member=FamilyMembers.member_id
WHERE good IN(SELECT good_id FROM Goods WHERE type=(SELECT good_type_id FROM GoodTypes
WHERE good_type_name='entertainment'))
GROUP BY member_name, status
```

```
SELECT good_name FROM (SELECT good_name, COUNT(payment_id) FROM Goods
JOIN Payments ON Payments.good=Goods.good_id
GROUP BY good_name
HAVING COUNT(payment_id)>1) AS table1
```

```
SELECT good_name, unit_price FROM Goods
JOIN Payments ON Payments.good=Goods.good_id
WHERE Goods.type IN (SELECT good_type_id FROM GoodTypes WHERE good_type_name='delicacies')
ORDER BY unit_price DESC
LIMIT 1
```

```
SELECT member_name, SUM(Payments.amount*Payments.unit_price) AS costs FROM FamilyMembers
JOIN Payments ON Payments.family_member=FamilyMembers.member_id
WHERE date LIKE '2005-06%'
GROUP BY member_name
```