

## DMD HOMEWORK 4 (13 сентября 2015 г.)

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**Problem 1.** I forgot about NATURAL JOIN =(

```
SELECT m.moviename FROM Movies AS m
JOIN MovieSupplier AS ms ON m.movieid = ms.movieid
JOIN Suppliers AS s ON s.supplierid = ms.supplierid
WHERE suppliername <> 'Lionsgate' AND suppliername <> 'Pixar';
```

**Problem 2.**

```
SELECT m.moviename FROM Movies AS m
JOIN Inventory AS i ON m.movieid = i.movieid
JOIN Rentals AS r ON r.tapeid = i.tapeid
WHERE r.duration = (SELECT MAX(duration) FROM Rentals);
```

**Problem 3.** Remembered about NATURAL, but late. It was last task, that i've done.

```
SELECT ms.supplierid FROM MovieSupplier AS ms
NATURAL JOIN Suppliers
GROUP BY ms.supplierid
HAVING COUNT(ms.supplierid) = (SELECT COUNT(DISTINCT movieid) FROM Inventory)
```

**Problem 4.**

```
SELECT COUNT(*), s.SupplierName FROM Inventory AS i
JOIN MovieSupplier AS ms ON ms.movieid = i.movieid
JOIN Suppliers AS s ON ms.supplierid = s.supplierid
GROUP BY s.supplierid
```

**Problem 5.**

```
SELECT m.moviename FROM Orders AS o
JOIN Movies AS m ON o.movieid = m.movieid
WHERE o.copies > 4;
```

**Problem 6.**

```
SELECT c.FirstName, c.LastName FROM Rentals AS r
JOIN Inventory AS i ON r.tapeid = i.tapeid
JOIN Movies AS m ON m.movieid = i.movieid
JOIN Customers AS c ON c.custid = r.customerid
JOIN MovieSupplier AS ms ON ms.movieid = m.movieid
JOIN Suppliers AS s ON s.supplierid = ms.supplierid
WHERE m.moviename = 'Fatal Attraction 1987' OR s.SupplierName = 'VWS Video';
```

**Problem 7.**

```
SELECT m.moviename FROM Inventory AS i
JOIN Movies AS m ON m.movieid = i.movieid
GROUP BY m.movieid HAVING COUNT(m.movieid) > 1;
```

**Problem 8.**

```
SELECT DISTINCT c.FirstName, c.LastName FROM Rentals AS r
JOIN Customers AS c ON c.custid = r.customerid
WHERE r.duration > 1;
```

**Problem 9.**

```
SELECT * FROM Movies AS m
JOIN MovieSupplier AS ms ON ms.movieid = m.movieid
JOIN Suppliers AS s ON ms.supplierid = s.supplierid
WHERE m.moviename = 'Almost Angels 1962' AND ms.price = (
    SELECT MIN(price) FROM MovieSupplier AS ms
    JOIN Movies m ON m.movieid = ms.movieid
    WHERE m.moviename = 'Almost Angels 1962'
);
```

**Problem 10.**

```
SELECT moviename FROM Movies
EXCEPT
SELECT m.moviename FROM Inventory AS i
JOIN Movies AS m ON m.movieid = i.movieid;
```