#### DB-HW5

# Задание 1.

### a)

## б)

```
SELECT b.author, b.name

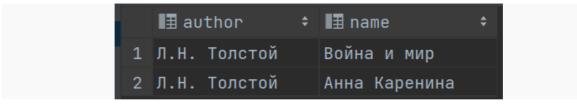
FROM readers r

JOIN book_takings bt ON r.id = bt.reader_id

JOIN copies c ON bt.copy_id = c.id

JOIN books b ON c.book_isbn = b.isbn

WHERE r.name = 'Иван' AND r.surname = 'Иванов';
```



#### в)

```
SELECT btc.book_isbn

FROM books_to_categories btc

WHERE btc.category_name = 'Topы'

EXCEPT

SELECT btc.book_isbn

FROM books_to_categories btc

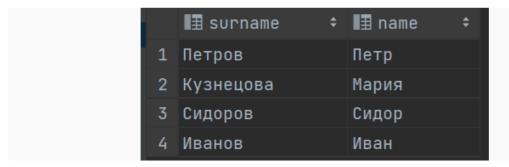
WHERE btc.category_name = 'Путешествия';
```

```
$\frac{1}{2}$ book_isbn $\diamon{2}{2}$

1 1000000003
```

# г)

```
SELECT DISTINCT r.surname, r.name
FROM readers r
JOIN book_takings bt ON r.id = bt.reader_id
WHERE bt.return_date IS NOT NULL;
```



# д)

```
SELECT DISTINCT r.surname, r.name

FROM readers r

JOIN book_takings bt ON r.id = bt.reader_id

WHERE bt.copy_id IN (

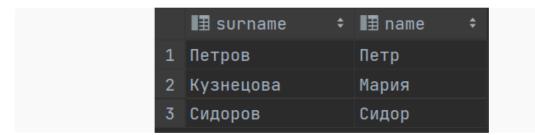
SELECT bt2.copy_id

FROM book_takings bt2

JOIN readers r2 ON bt2.reader_id = r2.id

WHERE r2.name = 'MBaH' AND r2.surname = 'MBaHOB'

) AND r.name != 'MBaH' AND r.surname != 'MBaHOB';
```



## Задание 2

a)

```
SELECT c.*

FROM connections c

JOIN stations s1 ON c.departure_station_name = s1.name

JOIN stations s2 ON c.arrival_station_name = s2.name

WHERE s1.lies_in_city_name = 'Mockba'

AND s2.lies_in_city_name = 'TBepb';
```

```
      III departure
      III arrival
      III departure_station_name
      III departure_station_nam
```

### б)

```
SELECT DISTINCT

c1.departure_station_name AS start_station,
c1.arrival_station_name AS transfer_station,
c2.arrival_station_name AS final_station,
c1.departure AS departure_time,
c2.arrival AS arrival_time

FROM

connections c1

JOIN

connections c2 ON c1.arrival_station_name = c2.departure_station_name

WHERE

c1.departure_station_name = 'Mockba-Пacc.'
AND c2.arrival_station_name = 'Cahkt-Петербург-Главный'
AND DATE(c1.departure) = DATE(c2.arrival);

AND DATE(c1.departure) = DATE(c1.arrival);
```