

## УРОК 19.2. ПРАКТИЧЕСКАЯ ОТРАБОТКА MONGO DB



## ПРАКТИЧЕСКАЯ ОТРАБОТКА

- Отсортировать по новому полю. Узнать, где были совершены самые большие заказы?

```
Unset
Sort
{total : -1 }
```

- Из коллекции `sample_airbnb.listingsAndReviews`: найти самого активного пользователя, который оставил больше всего отзывов.

Для этого нужно использовать:

`$unwind`: - чтобы разложить массив с отзывами `reviews`

```
Unset
[
  {
    $unwind: "$reviews", },
  {
    $group: {
      _id: "$reviews.reviewer_id",
      reviewer_name: { $first: "$reviews.reviewer_name" },
      total_reviews: {
        $sum: 1,
      },
    },
  },
  {
    $sort: {
      total_reviews: -1,
    },
  },
]
```

```
{
  $limit: 1,
},
]
```

8. Из коллекции `sample_restaurants.restaurants`: узнать, какие кухни самые популярные ? (топ 5)

```
Unset
[
  {
    $group: {
      _id: "$cuisine",
      count: { $sum: 1 }
    }
  },
  {
    $sort: {
      count: -1
    }
  },
  {
    $limit: 5
  },
  {
    $project: {
      _id: 0,
      cuisine: "$_id",
      count: 1
    }
  }
]
```

`sample_analytics.transactions` `sample_analytics.customers` - типичные коллекции с данными об аккаунтах и транзакциях.



Посмотрим, как работает \$lookup. Поищем все транзакции пользователя Lauren Clark.

Вот ее аккаунты :

```
0
:
883283
1
:
980867
2
:
164836
3
:
200611
4
:
528224
5
:
931483
```

9. Используем \$lookup, чтобы объединить эти коллекции на основе поля accounts в коллекции customers и поля account\_id в коллекции transactions.

```
Unset
[
  {
    $match: {
      name: "Lauren Clark"
    }
  },
  {
    $lookup: {
      from: "transactions",
      localField: "accounts",
      foreignField: "account_id",
      as: "customer_transactions"
    }
  }
]
```



```
}
},
{
  $project: {
    _id: 1,
    username: 1,
    name: 1,
    email: 1,
    transactions: "$customer_transactions"
  }
}
]
```

10. Из коллекций `sample_restaurants.neighborhoods` и `sample_restaurants.restaurants`: найти все рестораны Брайтон бич.

Взять документ с 155 точками координат:

```
Unset
{
  filter: {
    name: 'Brighton Beach'
  },
  project: {
    _id: 0
  }
}
```

Вливаем его в запрос :

```
Unset
{'address.coord': {$geoWithin: { $geometry: { type: 'Polygon', coordinates: [
  [
```

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