

Рабочая тетрадь №5

База данных: ***MongoDB***

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Основные требования:

- *Выполнение команд производится в терминале или в графическом редакторе*
- *Результат работы команды предоставляется в виде скриншота*
- *Оформление ведется в удобном текстовом редакторе*
- *Рабочие тетради должны предоставляться на проверку в формате .pdf*

Рабочая тетрадь №5

```
> use StokaIP_31  
< 'switched to db StokaIP_31'  
StokaIP_31>
```

Рабочая тетрадь №5

```
> db.createCollection("SIP_21I1228")  
< { ok: 1 }  
StokaIP_31> |
```

Рабочая тетрадь №5

```
>_MONGOSH

> db.SIP_21I1228.insertOne({"name" : "Toyota Mark II", "year" : 1994, "color" : "grey", "last_owner" : "Viktor Olegovich Petrov", "technical condition" : "Engine repair is needed, as well as inter
< { acknowledged: true,
    insertedId: ObjectId("6393ae7d22a3ef9ced968280") }
> db.SIP_21I1228.insertOne({"name" : "Volkswagen Golf", "year" : 2008, "color" : "white", "last_owner" : "Roman Andreevich Vasnevov", "technical condition" : "ideal"})
< { acknowledged: true,
    insertedId: ObjectId("6393aedb22a3ef9ced968281") }
> db.SIP_21I1228.insertOne({"name" : "Audi A6", "year" : 2015, "color" : "purple", "last_owner" : "Maria Evgenievna Kizlaykova", "technical condition" : "replacement of seats and front headlights"
< { acknowledged: true,
    insertedId: ObjectId("6393af3122a3ef9ced968282") }
StokaIP_31>
```

Рабочая тетрадь №5

```
> function insertAuto(name, year, color, last_owner, technical_condition){  
  db.SIP_21I1228.insertOne({  
    name : name,  
    year : year,  
    color : color,  
    last_owner : last_owner,  
    technical_condition : technical_condition  
  });  
}  
< [Function: insertAuto]  
StokaIP_31>
```

Рабочая тетрадь №5

```
>_MONGOSH

> db.SIP_21I1228.find({}, {name : 1, year : 1})
< { _id: ObjectId("6393ae7d22a3ef9ced968280"),
  name: 'Toyota Mark II',
  year: 1994 }
{ _id: ObjectId("6393aedb22a3ef9ced968281"),
  name: 'Volkswagen Golf',
  year: 2008 }
{ _id: ObjectId("6393af3122a3ef9ced968282"),
  name: 'Audi A6',
  year: 2015 }
StokaIP_31 > |
```

Рабочая тетрадь №5

>_MONGOSH

```
> db.SIP_21I1228.find({year: {$lt : 2010}})
< { _id: ObjectId("6393ae7d22a3ef9ced968280"),
  name: 'Toyota Mark II',
  year: 1994,
  color: 'grey',
  last_owner: 'Viktor Olegovich Petrov',
  'technical condition': 'Engine repair is needed, as well as interior replacement' }
{ _id: ObjectId("6393aedb22a3ef9ced968281"),
  name: 'Volkswagen Golf',
  year: 2008,
  color: 'white',
  last_owner: 'Roman Andreevich Vasnecov',
  'technical condition': 'ideal' }
```

StokaIP_31 >

Рабочая тетрадь №5

```
> db.SIP_21I1228.updateOne({name : "Toyota Mark II"}, {$push: {wish: "Yes"}})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }

> db.SIP_21I1228.updateOne({name : "Volkswagen Golf"}, {$push: {wish: "No"}})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }

> db.SIP_21I1228.updateOne({name: "Audi A6"}, {$push: {wish: "Yes"}})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }
```

Рабочая тетрадь №5

```
> db.SIP_21I1228.deleteMany({wish : "No"})
< { acknowledged: true, deletedCount: 1 }
> db.SIP_21I1228.find()
< { _id: ObjectId("6393ae7d22a3ef9ced968280"),
  name: 'Toyota Mark II',
  year: 1994,
  color: 'grey',
  last_owner: 'Viktor Olegovich Petrov',
  'technical condition': 'Engine repair is needed, as well as interior replacement',
  wish: [ 'Yes' ] }
{ _id: ObjectId("6393af3122a3ef9ced968282"),
  name: 'Audi A6',
  year: 2015,
  color: 'purple',
  last_owner: 'Maria Evgenievna Kizlaykova',
  'technical condition': 'replacement of seats and front headlights',
  wish: [ 'Yes', 'Yes' ] }
StokaIP_31>
```

Рабочая тетрадь №5

```
> db.SIP_21I1228.find({wish : "Yes"})
< { _id: ObjectId("6393ae7d22a3ef9ced968280"),
  name: 'Toyota Mark II',
  year: 1994,
  color: 'grey',
  last_owner: 'Viktor Olegovich Petrov',
  'technical condition': 'Engine repair is needed, as well as interior replacement',
  wish: [ 'Yes' ] }
{ _id: ObjectId("6393af3122a3ef9ced968282"),
  name: 'Audi A6',
  year: 2015,
  color: 'purple',
  last_owner: 'Maria Evgenievna Kizlaykova',
  'technical condition': 'replacement of seats and front headlights',
  wish: [ 'Yes', 'Yes' ] }
StokaIP_31>
```

Рабочая тетрадь №5

```
> db.SIP_21I1228.updateOne({name: "Audi A6"}, {$set: {price: 1500000}})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 0,
  upsertedCount: 0 }

> db.SIP_21I1228.updateOne({name: "Toyota Mark II"}, {$set: {price: 1200000}})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }

> db.SIP_21I1228.updateOne({name: "Toyota Mark II"}, {$inc: {price: 10000}})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }

> db.SIP_21I1228.updateOne({name: "Audi A6"}, {$inc: {price: 10000}})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }
```

```
> db.SIP_21I1228.find()
< { _id: ObjectId("6393ae7d22a3ef9ced968280"),
  name: 'Toyota Mark II',
  year: 1994,
  color: 'grey',
  last_owner: 'Viktor Olegovich Petrov',
  'technical condition': 'Engine repair is needed, as well as interior replacement',
  wish: [ 'Yes' ],
  price: 1210000 }
{ _id: ObjectId("6393af3122a3ef9ced968282"),
  name: 'Audi A6',
  year: 2015,
  color: 'purple',
  last_owner: 'Maria Evgenievna Kizlaykova',
  'technical condition': 'replacement of seats and front headlights',
  wish: [ 'Yes', 'Yes' ],
  price: 1510000 }
StokaIP_31>
```