

Вариативная часть

Задание 2.1: Развертывание БД Mongo с помощью Docker

1. Извлечение контейнера mongoDB в качестве контейнера Docker
`docker pull mongo:latest`

2. Запуск контейнера: `docker run -d -p 27017:27017 --name=mongo-example mongo:latest`

```
eleonorakostyleva@Eleonoras-MacBook-Air ~ % docker pull mongo:latest
latest: Pulling from library/mongo
Digest: sha256:eb47cdea510f092cad3e76d5a4e7135a6b7b7b0fcc27be15859e1a312c4e2c68
Status: Image is up to date for mongo:latest
docker.io/library/mongo:latest
```

`docker exec -it mongo-example mongosh` – подключение к оболочке MongoDB

```
eleonorakostyleva@Eleonoras-MacBook-Air ~ % docker exec -it mongo-example mongosh
Current Mongosh Log ID: 65f055e2322f90c08ccb2237
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverS
electionTimeoutMS=2000&appName=mongosh+2.1.5
Using MongoDB:      7.0.6
Using Mongosh:      2.1.5
```

For mongosh info see: <https://docs.mongodb.com/mongodb-shell/>

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (<https://www.mongodb.com/legal/privacy-policy>).
You can opt-out by running the `disableTelemetry()` command.

```
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The server generated these startup warnings when booting
2024-03-12T13:10:58.717+00:00: Using the XFS filesystem is strongly recommend
ed with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodno
tes-filesystem
2024-03-12T13:10:59.824+00:00: Access control is not enabled for the database
. Read and write access to data and configuration is unrestricted
2024-03-12T13:10:59.824+00:00: /sys/kernel/mm/transparent_hugepage/enabled is
```

3. Создаем БД с именем dbTest

```
(mongo.use>
[test> use dbTest
switched_to db dbTest
```

4. Создание коллекции
`db.createCollection('myFirstCollection')`

```
dbTest> db.createCollection('myFirstCollection')
{ ok: 1 }
```

5. Добавляем документ в коллекцию

```
db.myFirstCollection.insert({item: "card1", qty: 10})
```

```
[dbTest> db.myFirstCollection.insert({item: "card1", qty: 10})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany
, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('65f057c5322f90c08ccb2238') }
}
```

Рубрика