```
👚 agata — -bash — 80×24
Last login: Tue Mar 24 11:22:44 on ttys000
MacBook-Pro-Agata:~ agata$ mongod
2020-03-24T11:22:50.580+0100 I CONTROL [main] Automatically disabling TLS 1.0,
to force-enable TLS 1.0 specify --sslDisabledProtocols 'none
2020-03-24T11:22:50.617+0100 I CONTROL [initandlisten] MongoDB starting : pid=
47995 port=27017 dbpath=/data/db 64-bit host=MacBook-Pro-Agata.local
2020-03-24T11:22:50.617+0100 I CONTROL [initandlisten] db version v4.2.3
2020-03-24T11:22:50.617+0100 I CONTROL
                                        [initandlisten] git version: 6874650b36
2138df74be53d366bbefc321ea32d4
2020-03-24T11:22:50.617+0100 I
                               CONTROL
                                        [initandlisten] allocator: system
2020-03-24T11:22:50.617+0100 I
                               CONTROL
                                        [initandlisten] modules: none
2020-03-24T11:22:50.617+0100 I
                               CONTROL
                                        [initandlisten] build environment:
2020-03-24T11:22:50.617+0100 I
                               CONTROL
                                        [initandlisten]
                                                            distarch: x86_64
2020-03-24T11:22:50.617+0100 I CONTROL
                                        [initandlisten]
                                                            target_arch: x86_64
2020-03-24T11:22:50.617+0100 I CONTROL
                                        [initandlisten] options: {}
2020-03-24T11:22:50.620+0100 E STORAGE
                                        [initandlisten] Failed to set up listen
er: SocketException: Address already in use
2020-03-24T11:22:50.621+0100 I CONTROL [initandlisten] now exiting
2020-03-24T11:22:50.621+0100 I CONTROL
                                        [initandlisten] shutting down with code
:48
MacBook-Pro-Agata:~ agata$ □
```

```
agata — mongo — 80 \times 24
Last login: Tue Mar 24 11:21:23 on ttys000
MacBook-Pro-Agata:~ agata$ mongo
MongoDB shell version v4.2.3
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName
Implicit session: session { "id" : UUID("1e4d4447-0937-4ad2-8742-637fdc778813")
MongoDB server version: 4.2.3
Server has startup warnings:
2020-03-23T15:22:51.030+0100 I CONTROL [initandlisten]
2020-03-23T15:22:51.030+0100 I CONTROL [initandlisten] ** WARNING: Access cont
rol is not enabled for the database.
2020-03-23T15:22:51.030+0100 I CONTROL [initandlisten] **
ite access to data and configuration is unrestricted.
2020-03-23T15:22:51.030+0100 I CONTROL [initandlisten] 2020-03-23T15:22:51.030+0100 I CONTROL [initandlisten]
                                          [initandlisten]
2020-03-23T15:22:51.030+0100 I CONTROL [initandlisten] ** WARNING: soft rlimit
s too low. Number of files is 256, should be at least 1000
Enable MongoDB's free cloud-based monitoring service, which will then receive an
d display
metrics about your deployment (disk utilization, CPU, operation statistics, etc)
```

Zad2: Efekt wykonania zadania nr 2 jest widoczny w kolejnych zadaniach.

Zad3: Efekt wykonania zadania nr 3 jest widoczn3 w kolejnym zadaniu.

### Zad 4:

#### Polecenia:

# Efekt:

### Zad 5:

a)

```
MongoDB_1 localhost:27017 AgataNowara
db.business.find({stars: 5}).count()

0.032 sec.
5897
```

b) Poniżej przedstawiono jedynie fragment wyniku

c)

a)

```
public long count5StarsBusinesses(){
    MongoCollection<Document> business = db.getCollection("business");
    long counter = business.countDocuments(Filters.eq("stars", 5));
    return counter;
}

public static void main(String[] args) throws UnknownHostException {
    MongoLab mongoLab = new MongoLab();
    System.out.println(mongoLab.count5StarsBusinesses());
}
```

b) Poniżej przedstawiono jedynie fragment wyniku

```
public static void main(String[] args) throws UnknownHostException {
    MongoLab mongoLab = new MongoLab();
    mongoLab.restaurantsPerCity();
}
```

```
robbers © Javadoc © Deciaration © Console

cterminated- Mongolab [Java Application] [Library/Java/Java/vitualMachines/jdk-13.jdk/Contents/Home/bin/java (24 mar 2020, 12:32:49 – 12:32:25)

ar 74, 7801 17:32:25 PM (con. mongold. diagnostics. logging. JULiopper log

libro; Cluster created with settings (hoster[127.4.0.1:27817], mode-SINGLE, required(ClusterTypesINWNOM), serverSelectionTimeout='38880 ms', maxWait

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NRD: Cluster created with settings (hoster[127.4.0.1:27817], mode-SINGLE, required(ClusterTypesINWNOM), serverSelectionTimeout='38880 ms', maxWait

NRD: Cluster created with settings (hoster[127.4.0.1:27817]) are 72, 2020 12:32:32 PM (com.mongod.diagnostics.logging.JULlogger log

NRD: Cluster cluster(Cluster) are 2021 12:32:32 PM (com.mongod.diagnostics.logging.JULlogger log

Document(Cluster Version of Cluster Version of
```

```
public static void main(String[] args) throws UnknownHostException {
    MongoLab mongoLab = new MongoLab();
    mongoLab.hotelsPerState();
}
```

## Zad 7:

```
String bestUser(){{\textstyle \textstyle \textstyl
```

```
public static void main(String[] args) throws UnknownHostException {
    MongoLab mongoLab = new MongoLab();
    System.out.println(mongoLab.bestUser());
}
```

## Zad 8:

```
List<String> countVotes(){
    MongoCollection<Document> review = db.getCollection("review");
    List<String> votesCount = new ArrayList<>();

long funny = review.countDocuments(Filters.gte("votes.funny", 1));
    votesCount.add("Funny: " + funny);

long cool = review.countDocuments(Filters.gte("votes.cool", 1));
    votesCount.add("Cool: " + cool);

long useful = review.countDocuments(Filters.gte("votes.useful", 1));
    votesCount.add("Useful:" + useful);

System.out.println(votesCount);
    return votesCount;
}
```

```
public static void main(String[] args) throws UnknownHostException {
    MongoLab mongoLab = new MongoLab();
    mongoLab.countVotes();
}
```