24. Design and Implement following query using MongoDB
1. Create a collection called ‘games’.
2. Add 5 games to the database. Give each document the following properties: name, gametype, rating (out of 100)
3. Write a query that returns all the games
4. Write a query that returns the 3 highest rated games.
5. Update your two favourite games to have two achievements called ‘Game Master’ and ‘Speed Demon’.
6. Write a query that returns all the games that have both the ‘Game Maser’ and
7. the ‘Speed Demon’ achievements.
8. Write a query that returns only games that have achievements.

Query 1: Create a collection called ‘games’.

```
    db.createCollection("games");
```

Query 2: Add 5 games to the database. Give each document the following properties: name, gametype, rating (out of 100)

```
    db.games.insertMany([
    { name: "Game A", gametype: "Action", rating: 85 },
    { name: "Game B", gametype: "Adventure", rating: 90 },
    { name: "Game C", gametype: "Puzzle", rating: 75 },
    { name: "Game D", gametype: "RPG", rating: 95 },
    { name: "Game E", gametype: "Strategy", rating: 80 }
]);
```

Query 3: Write a query that returns all the games

```
    db.games.find();
```

Query 4: Write a query that returns the 3 highest rated games.

```
    db.games.find().sort({ rating: -1 }).limit(3);
```

Query 5: Update your two favourite games to have two achievements called ‘Game Master’ and ‘Speed Demon’.

```
    db.games.updateOne(
    { name: "Game A" },
    { $set: { achievements: ["Game Master", "Speed Demon"] } }
);

db.games.updateOne(
    { name: "Game D" },
    { $set: { achievements: ["Game Master", "Speed Demon"] } }
);
```

Query 6: Write a query that returns all the games that have both the ‘Game Maser’ and the ‘Speed Demon’ achievements.

```
    db.games.find({ achievements: { $all: ["Game Master", "Speed Demon"] } });
```

Query 7: Write a query that returns only games that have achievements.

```
    db.games.find({ achievements: { $exists: true } });
```