Step 1:

```
db.products.find(
  {
    price: { $gt: 100 },
    rating: { $gt: 4.5 }
  },
  {
    name: 1,
    category: 1,
    price: 1,
    rating: 1,
    _id: 0
  }
);
```

Step 2:

```
db.products.aggregate([
  {
    $group: {
      _id: "$category",
      averageRating: { $avg: "$rating" }
    }
  },
  {
    $project: {
      _id: 0,
      category: "$_id",
      averageRating: 1
    }
```

```
  }
]);
```

Step 3:

```
db.orders.aggregate([
  {
    $group: {
      _id: "$customerId",
      totalOrders: { $sum: 1 }
    }
  },
  {
    $sort: { totalOrders: -1 }
  },
  {
    $limit: 5
  },
  {
    $project: {
      _id: 0,
      customerId: "$_id",
      totalOrders: 1
    }
  }
]);
```

Step 4:

```
db.products.aggregate([
  { $unwind: "$tags" },
```

```
  {
    $group: {
      _id: "$tags",
      tagCount: { $sum: 1 }
    }
  },
  {
    $sort: { tagCount: -1 }
  },
  {
    $project: {
      _id: 0,
      tag: "$_id",
      tagCount: 1
    }
  }
]);
```