

Q)1.create a database name social media

2.create a table data

3.create 10 records init

4. apply aggregation to the table

```
use social_media
```

```
db.createCollection("data")
```

```
db.data.insertMany([
  { _id: 1, name: "Aarav", platform: "Instagram", likes: 120, comments: 10, shares: 5 },
  { _id: 2, name: "Isha", platform: "Instagram", likes: 80, comments: 5, shares: 2 },
  { _id: 3, name: "Rohit", platform: "Twitter", likes: 200, comments: 25, shares: 20 },
  { _id: 4, name: "Kavya", platform: "Twitter", likes: 20, comments: 15, shares: 10 },
  { _id: 5, name: "Sandeep", platform: "Facebook", likes: 40, comments: 22, shares: 13 },
  { _id: 6, name: "Neha", platform: "Facebook", likes: 200, comments: 25, shares: 100 },
  { _id: 7, name: "Manish", platform: "Instagram", likes: 45, comments: 17, shares: 6 },
  { _id: 8, name: "Pooja", platform: "Facebook", likes: 60, comments: 12, shares: 33 },
  { _id: 9, name: "Vikram", platform: "Instagram", likes: 80, comments: 18, shares: 11 },
  { _id: 10, name: "Ananya", platform: "Twitter", likes: 20, comments: 10, shares: 5 }
])
```

```
db.data.find()
```

```
db.data.aggregate([{$match:{$expr:{$gt:[$add:[$likes,"$comments","$shares"]],200}}]})
```

```
db.data.aggregate([{$group:{$_id:"$platform",totalEngagement:{$sum:{$add:[$likes,"$comments","$shares"]}}}]})
```