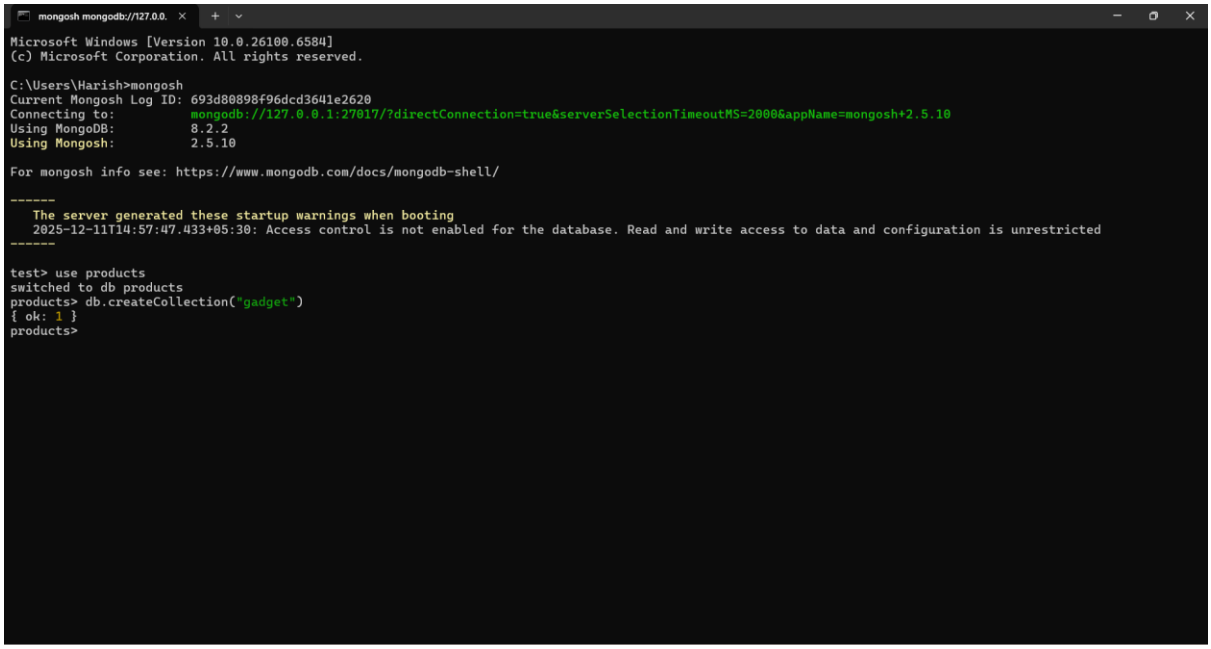
MongoDB Basic Practice Task

1.Database & Collection Setup

i. Database created : products

ii. Collection created : gadget

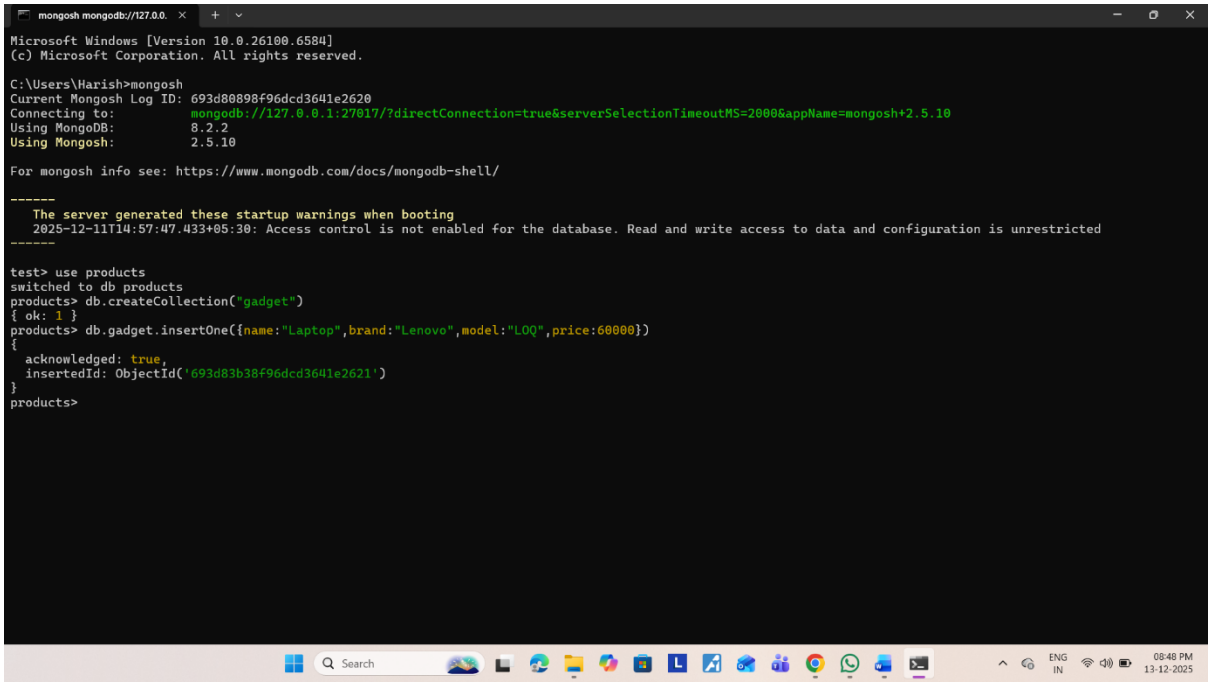


2.Insert Operations

i. Insert one document

Inserted one document :

Laptop, Lenovo, LOQ, 60000

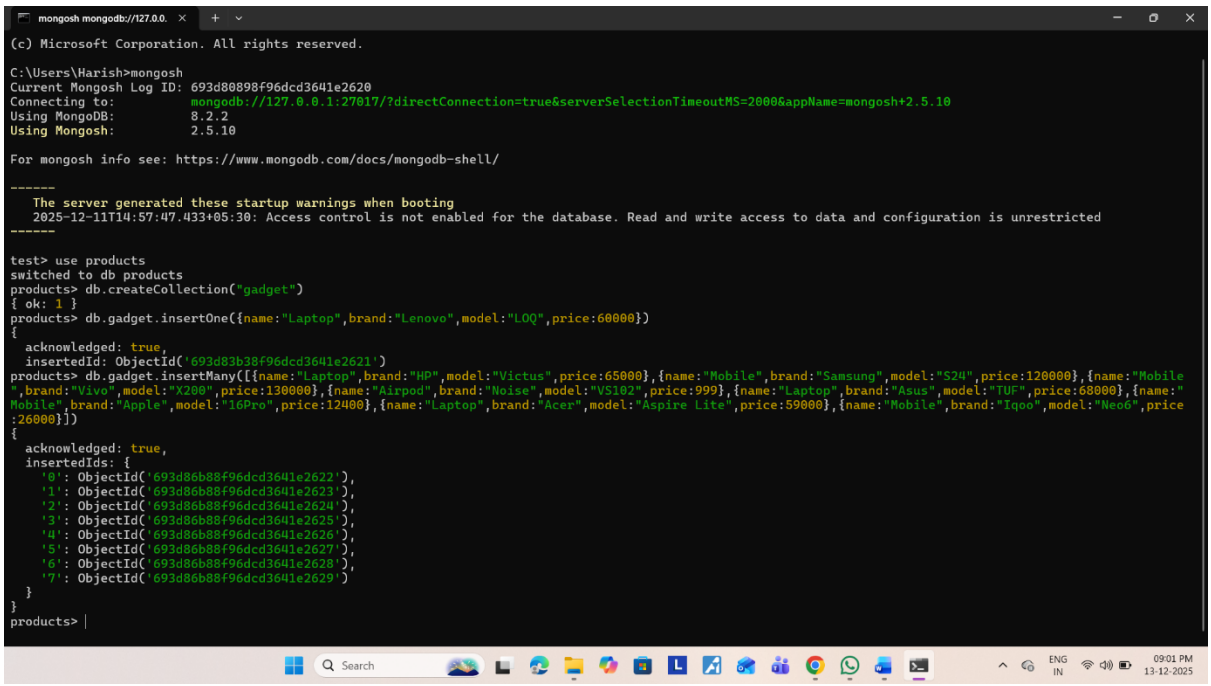


ii. Insert Multiple documents

Inserted many documents :

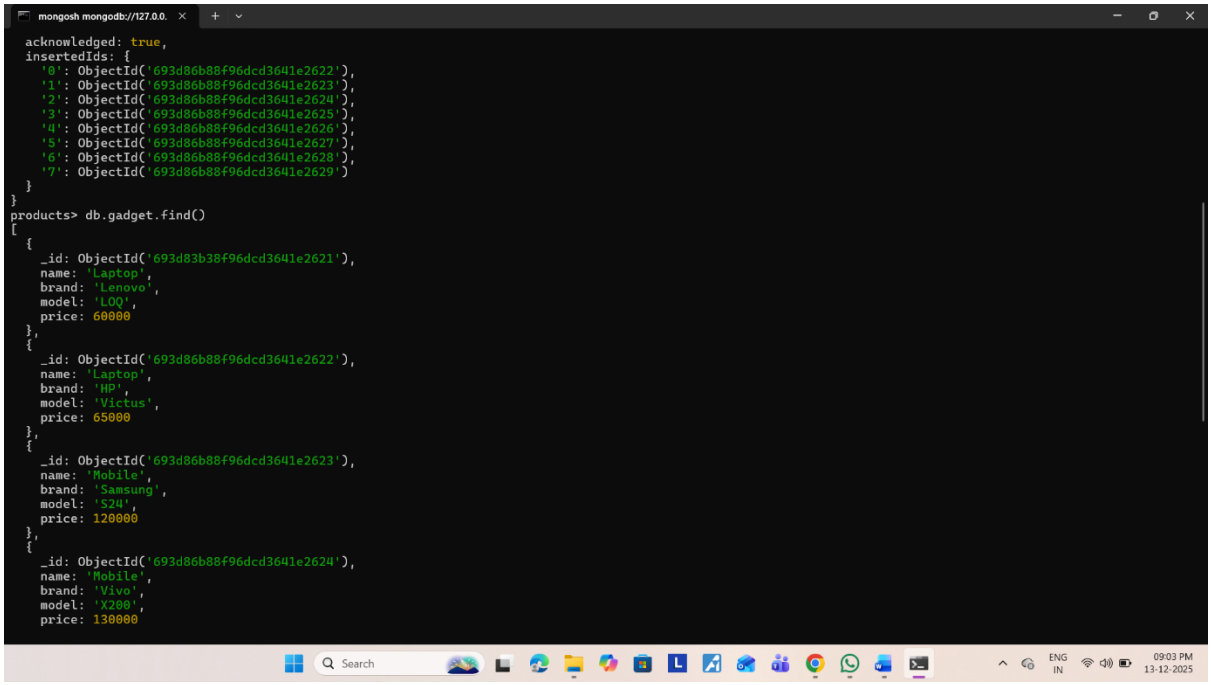
Multiple Products were added with name, brand, model, and price

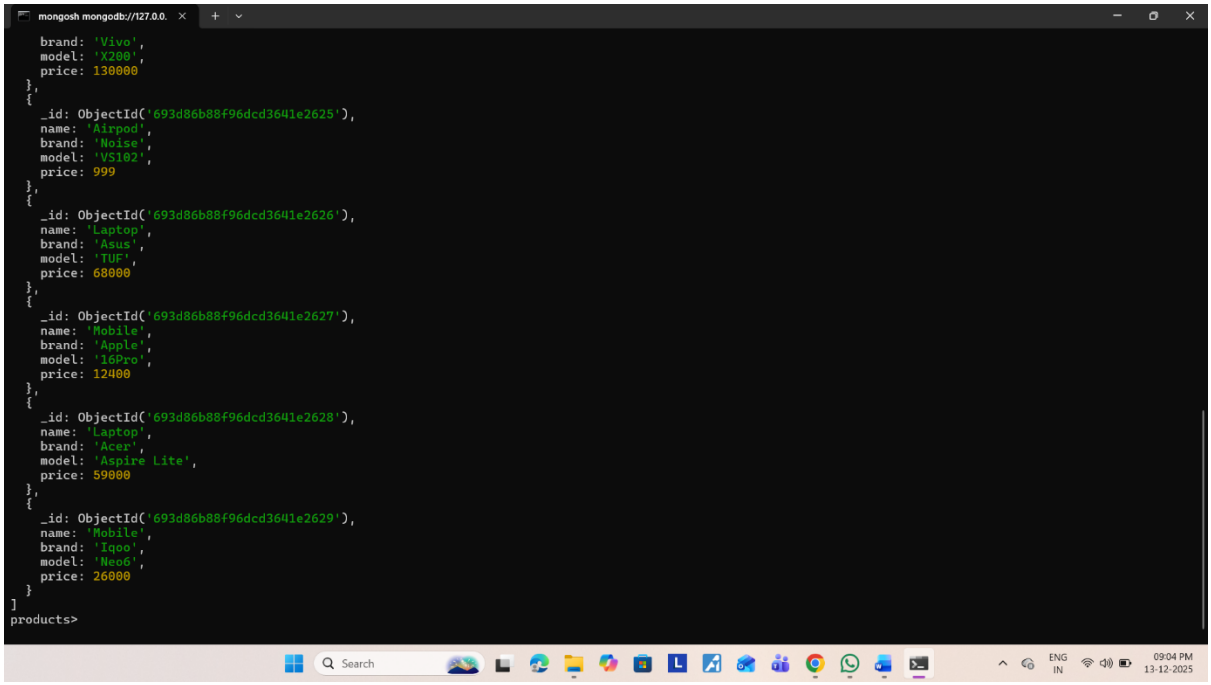
HP Laptop, Samsung Mobile, Vivo Mobile, Noise Airpod, Asus Laptop, Apple Mobile, Acer Laptop, Iqoo Mobile.



3. Read Operations

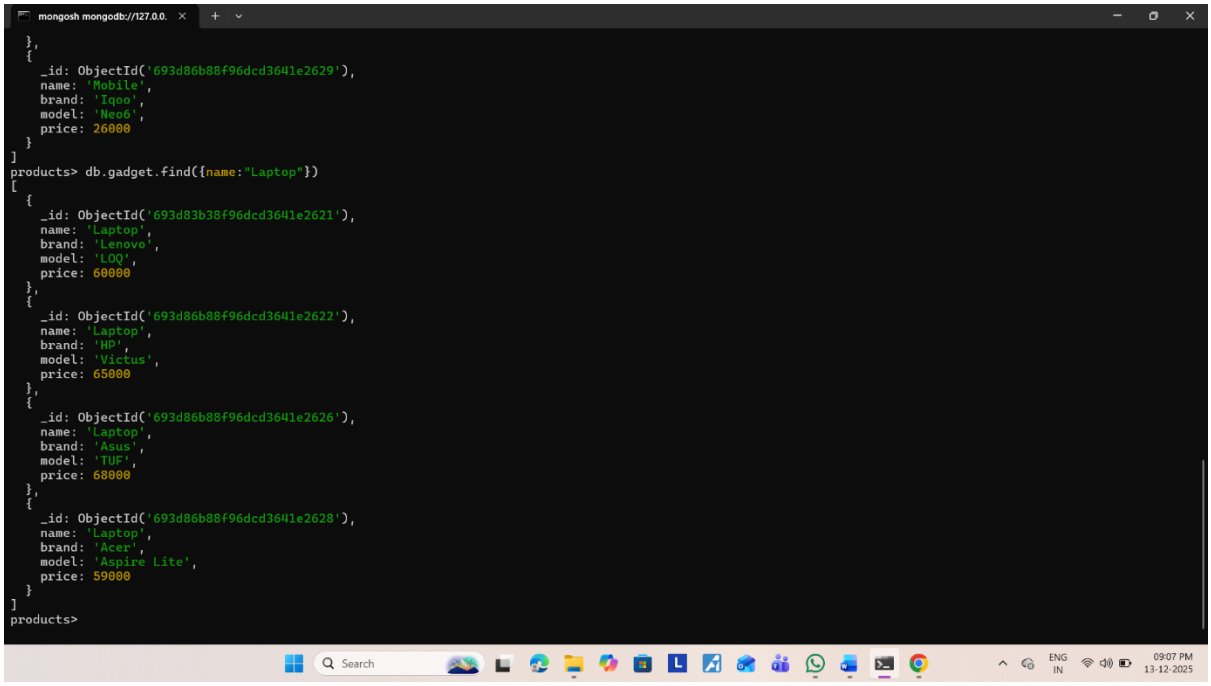
i. Fetch all Documents



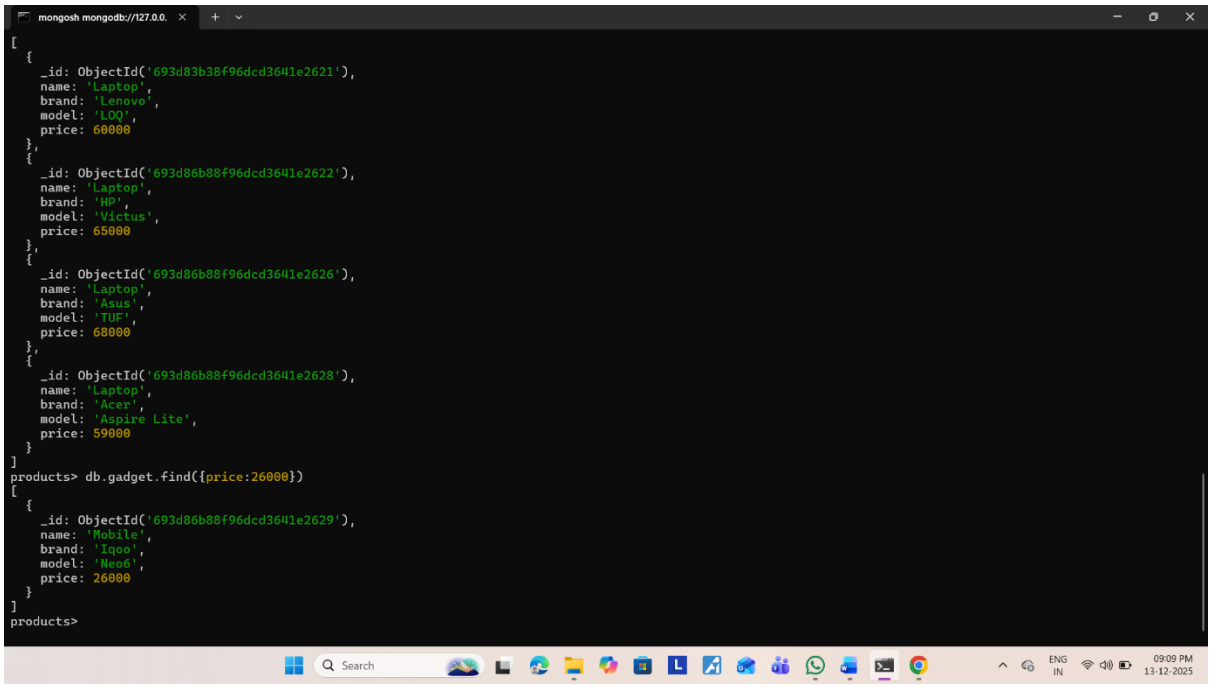


ii. Fetch Specific Data

Filtered specific data using product name “ Laptop”



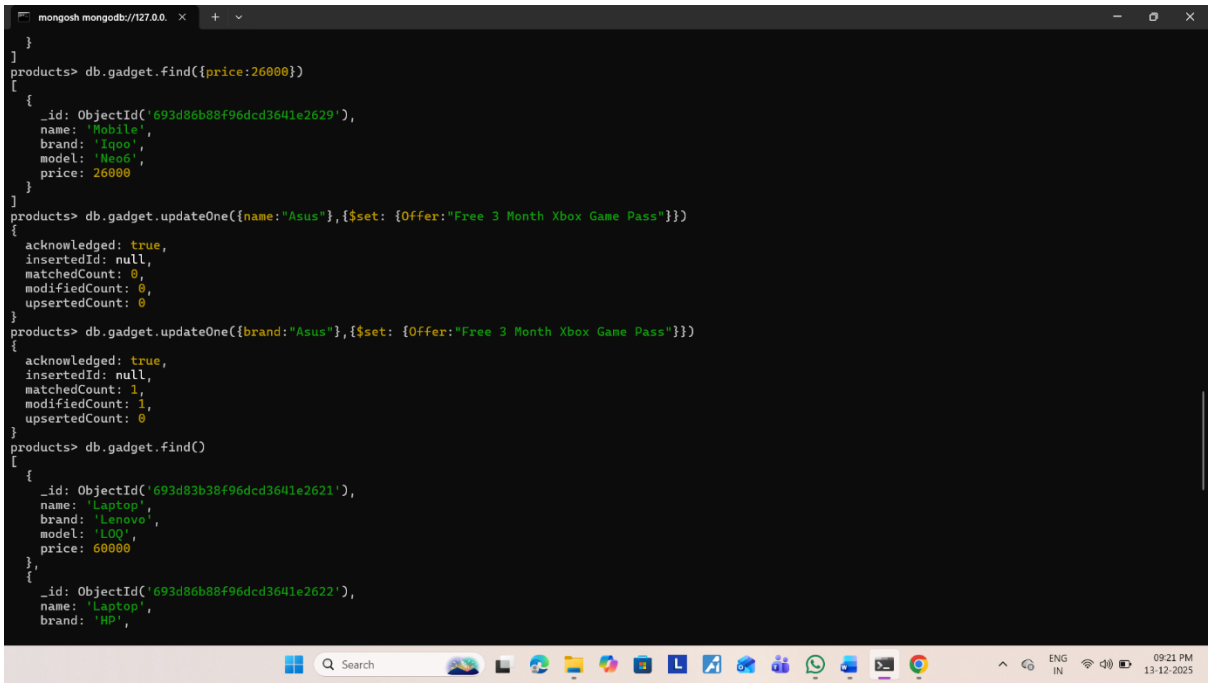
Filtered specific data using products price “26000”

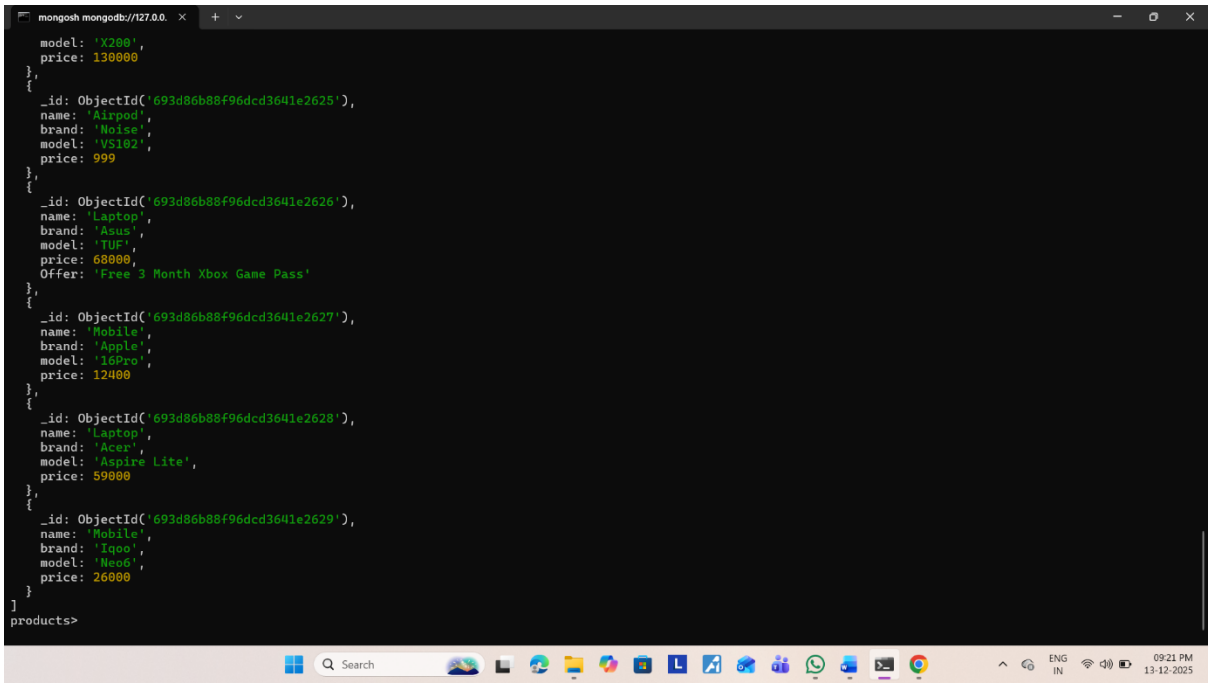


4.Update Operations

i. Update single document

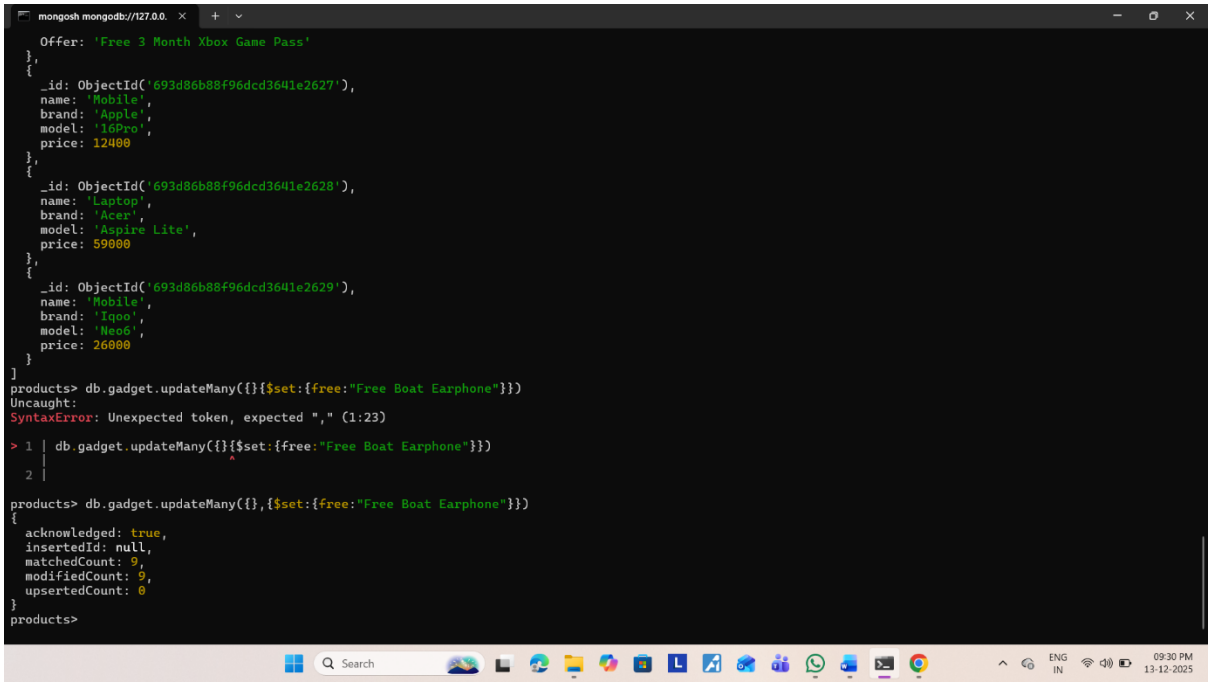
Updated offer to the Asus product “Free 3 Month Game Pass”

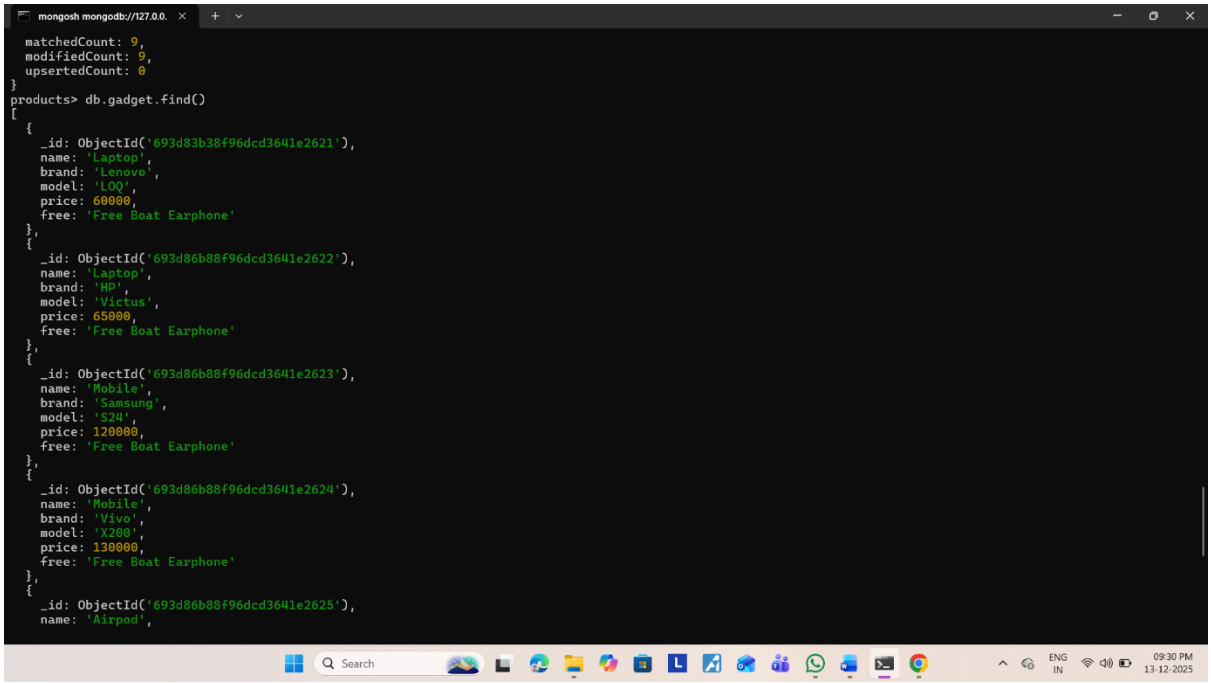


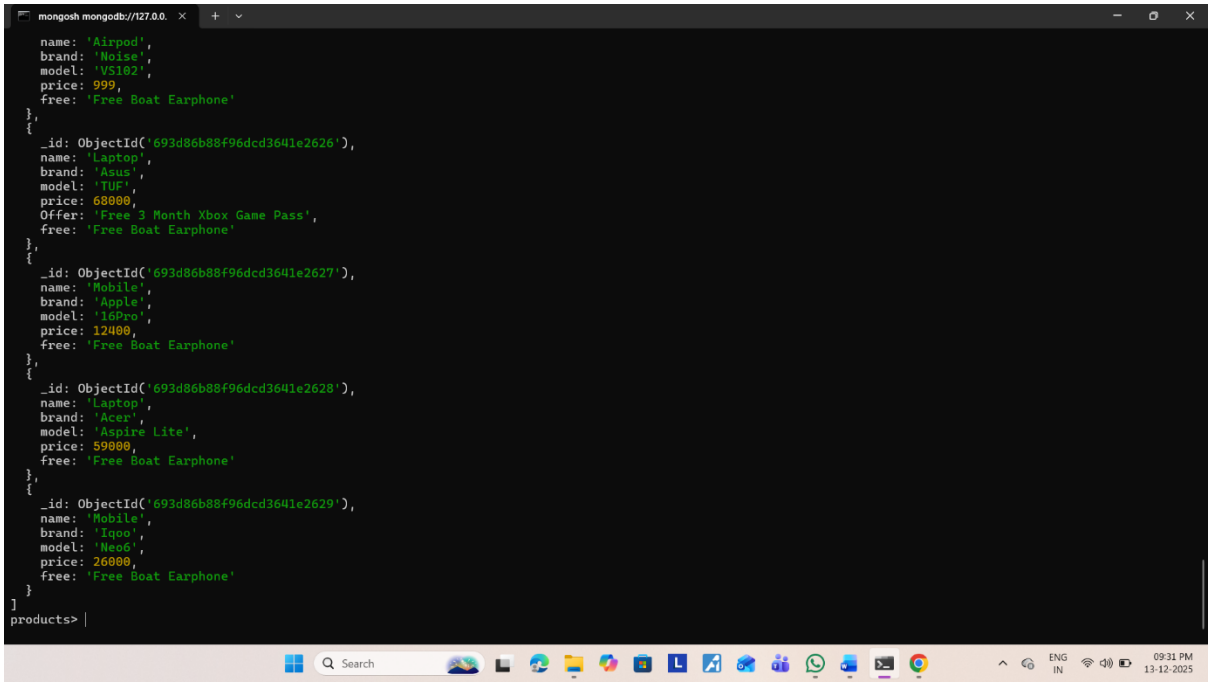


ii. Update multiple document

Updated all document “Free Boat Earphone”



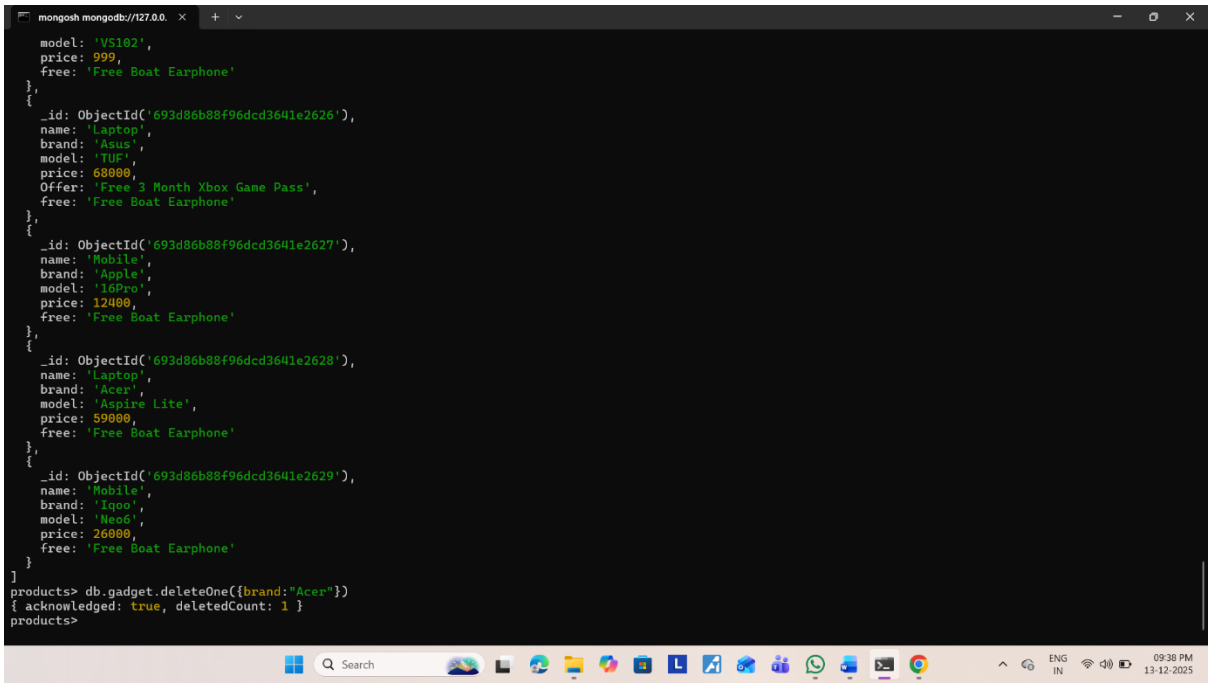


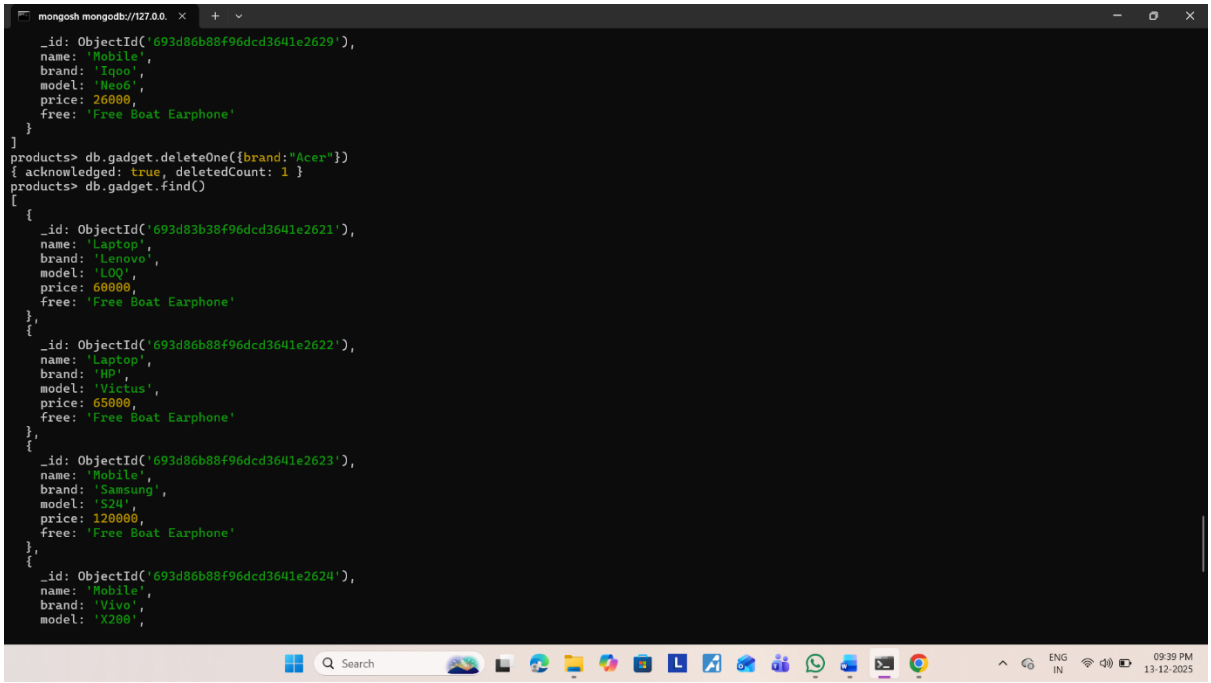

mongosh mongodb://127.0.0.
name: 'Airpod',
brand: 'Noise',
model: 'VS102',
price: 999,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2626'),
name: 'Laptop',
brand: 'Asus',
model: 'TUF',
price: 68000,
Offer: 'Free 3 Month Xbox Game Pass',
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2627'),
name: 'Mobile',
brand: 'Apple',
model: '16Pro',
price: 12400,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2628'),
name: 'Laptop',
brand: 'Acer',
model: 'Aspire Lite',
price: 59000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2629'),
name: 'Mobile',
brand: 'Iqoo',
model: 'Neo6',
price: 26000,
free: 'Free Boat Earphone'
}
]
products>
Search
ENG
IN
09:31 PM
13-12-2025

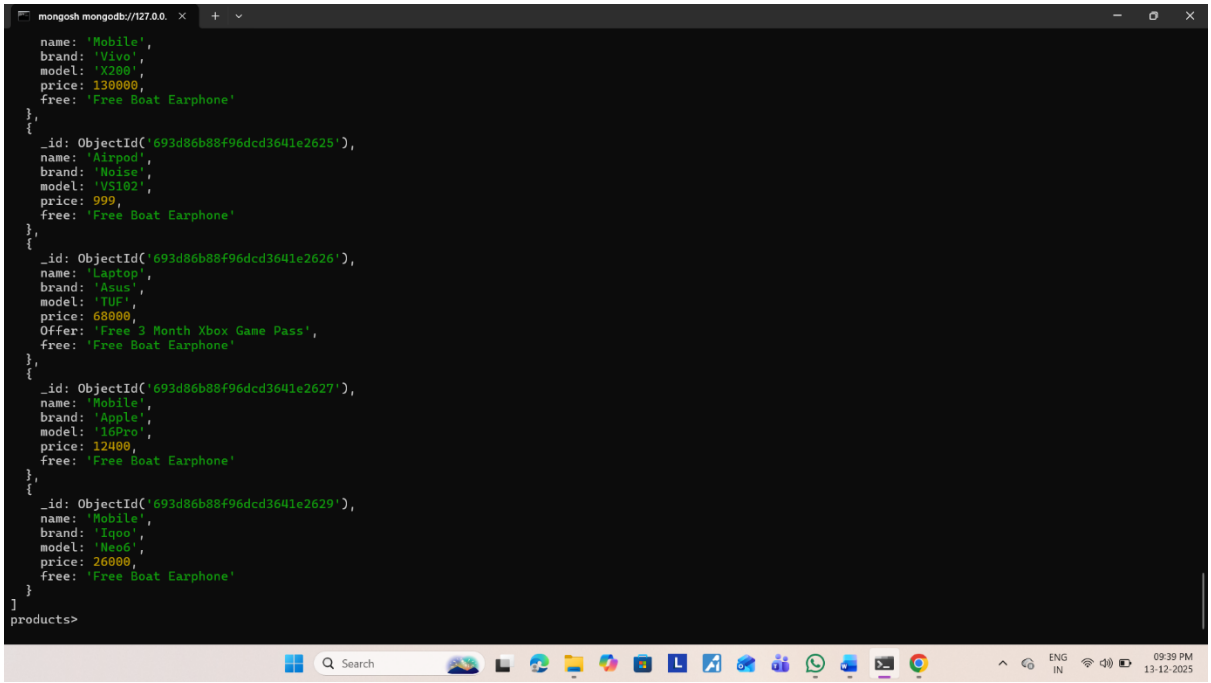
5.Delete Operations

i. Delete One document

Deleted Acer product






mongosh mongodb://127.0.0.
name: 'Mobile',
brand: 'Vivo',
model: 'X200',
price: 130000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2625'),
name: 'Airpod',
brand: 'Noise',
model: 'VS102',
price: 999,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2626'),
name: 'Laptop',
brand: 'Asus',
model: 'TUF',
price: 68000,
Offer: 'Free 3 Month Xbox Game Pass',
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2627'),
name: 'Mobile',
brand: 'Apple',
model: '16Pro',
price: 12400,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2629'),
name: 'Mobile',
brand: 'Iqoo',
model: 'Neo6',
price: 26000,
free: 'Free Boat Earphone'
}
]
products>
Search
ENG
IN
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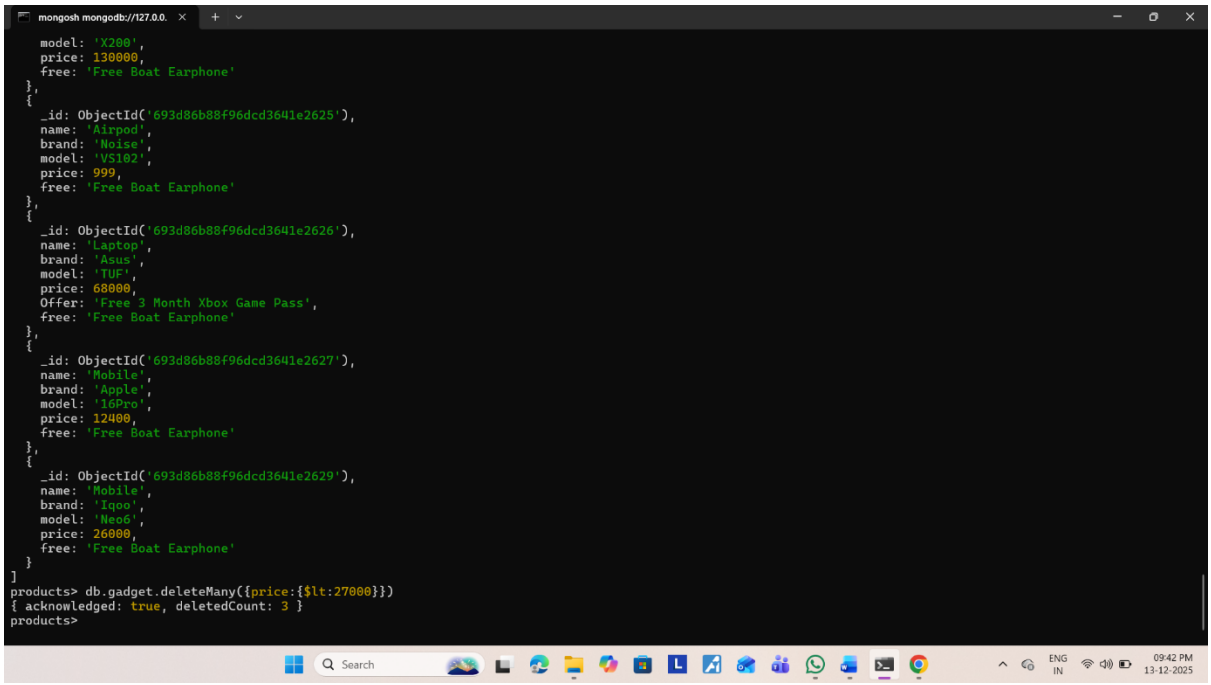
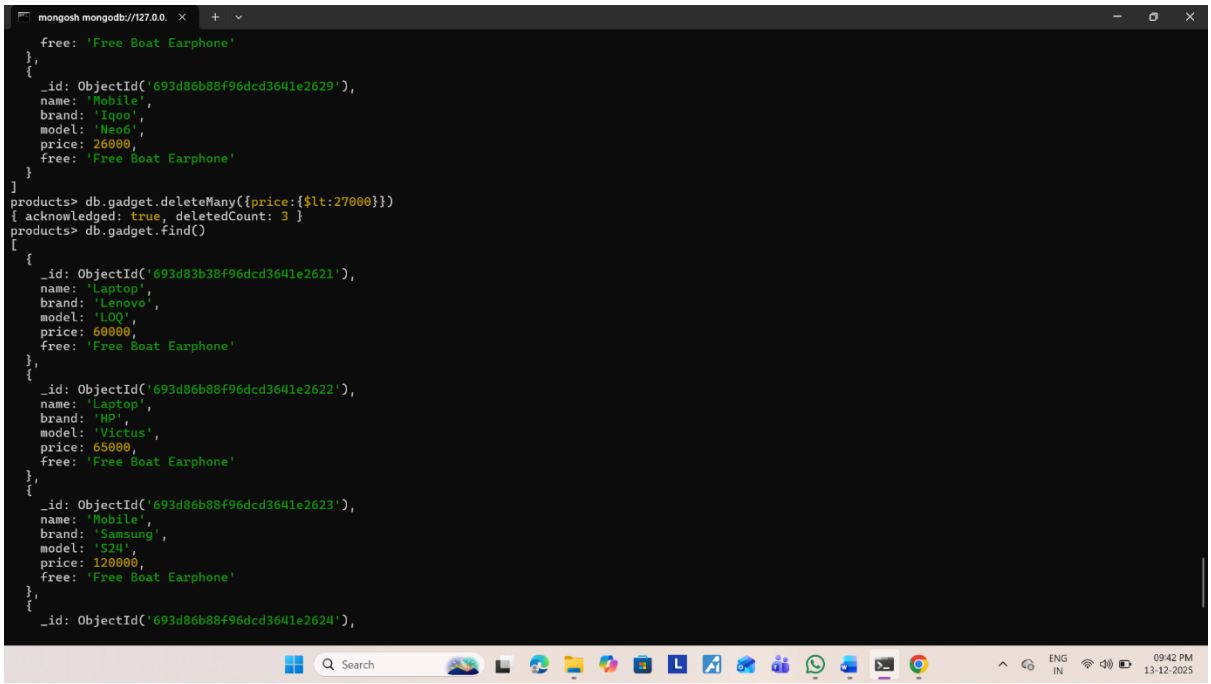
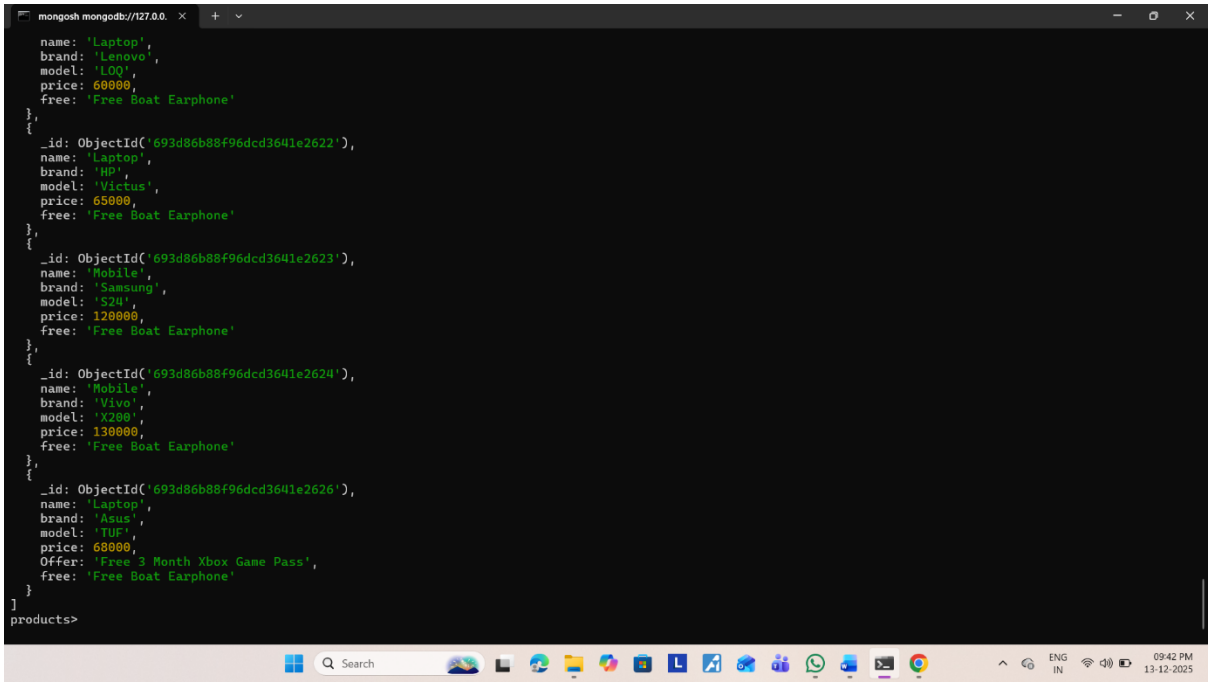
13-12-2025

ii. Delete Many document

Deleted products less than 27000






mongosh mongodb://127.0.0.
name: 'Laptop',
brand: 'Lenovo',
model: 'LOQ',
price: 60000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2622'),
name: 'Laptop',
brand: 'HP',
model: 'Victus',
price: 65000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2623'),
name: 'Mobile',
brand: 'Samsung',
model: 'S24',
price: 120000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2624'),
name: 'Mobile',
brand: 'Vivo',
model: 'X200',
price: 130000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2626'),
name: 'Laptop',
brand: 'Asus',
model: 'TUF',
price: 68000,
Offer: 'Free 3 Month Xbox Game Pass',
free: 'Free Boat Earphone'
}
]
products>
Search
ENG
IN
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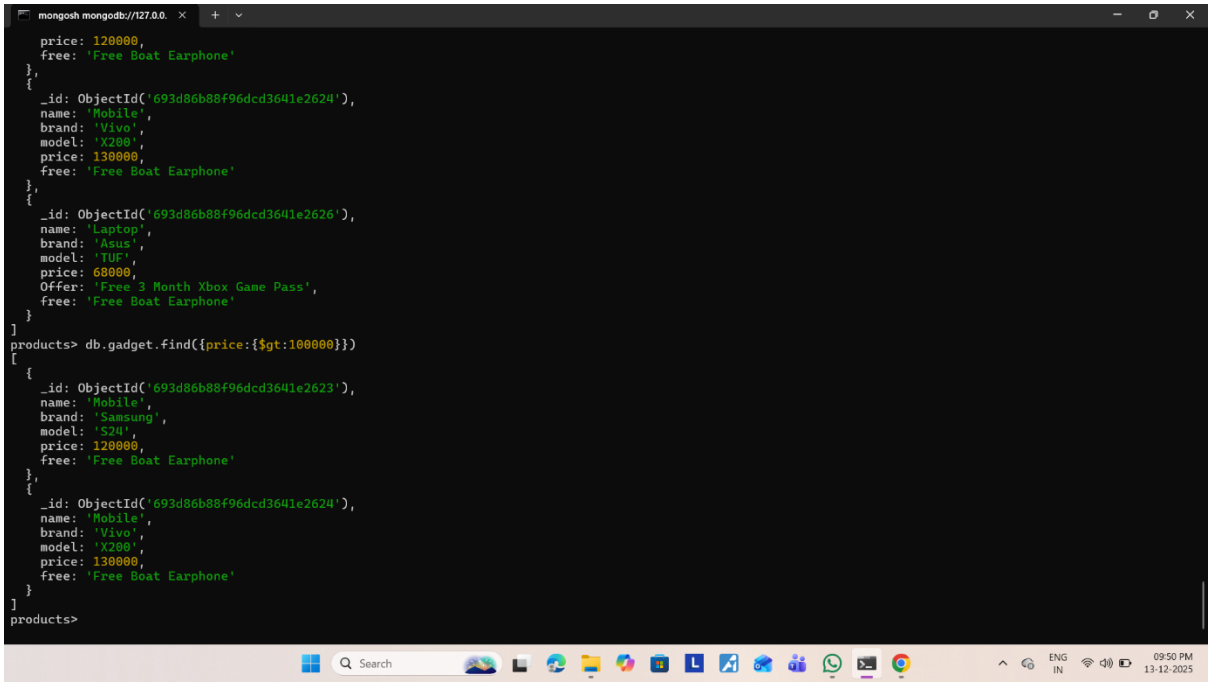
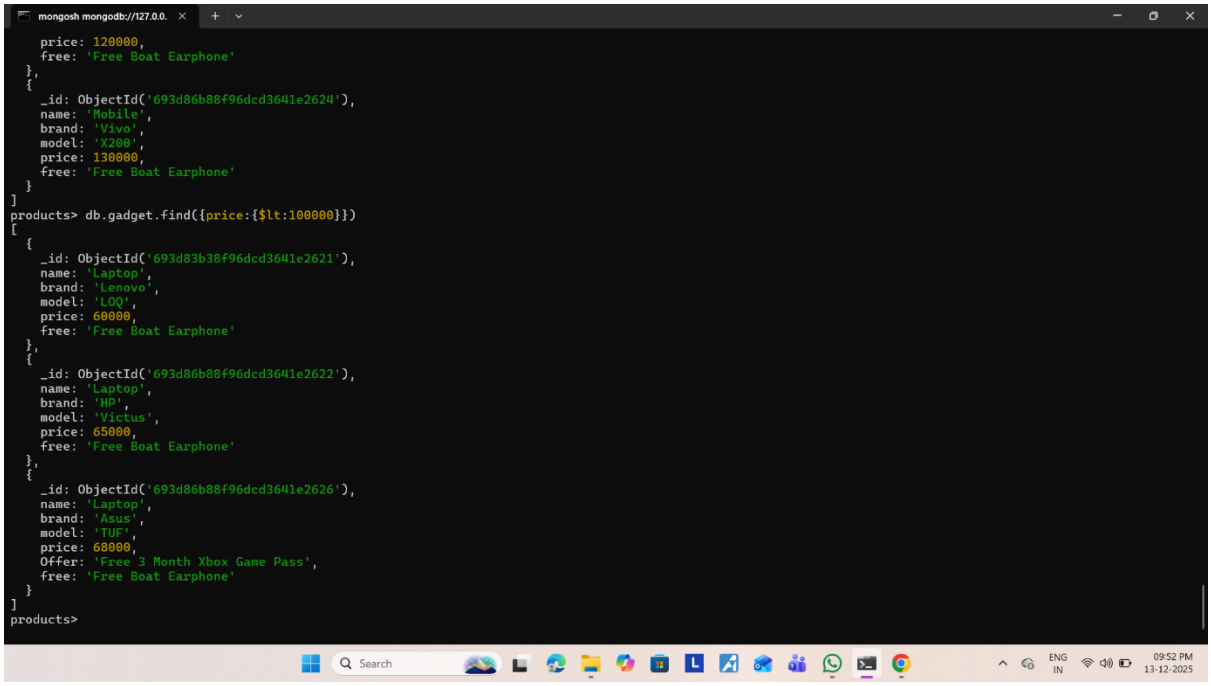
13-12-2025

6. Query Operators

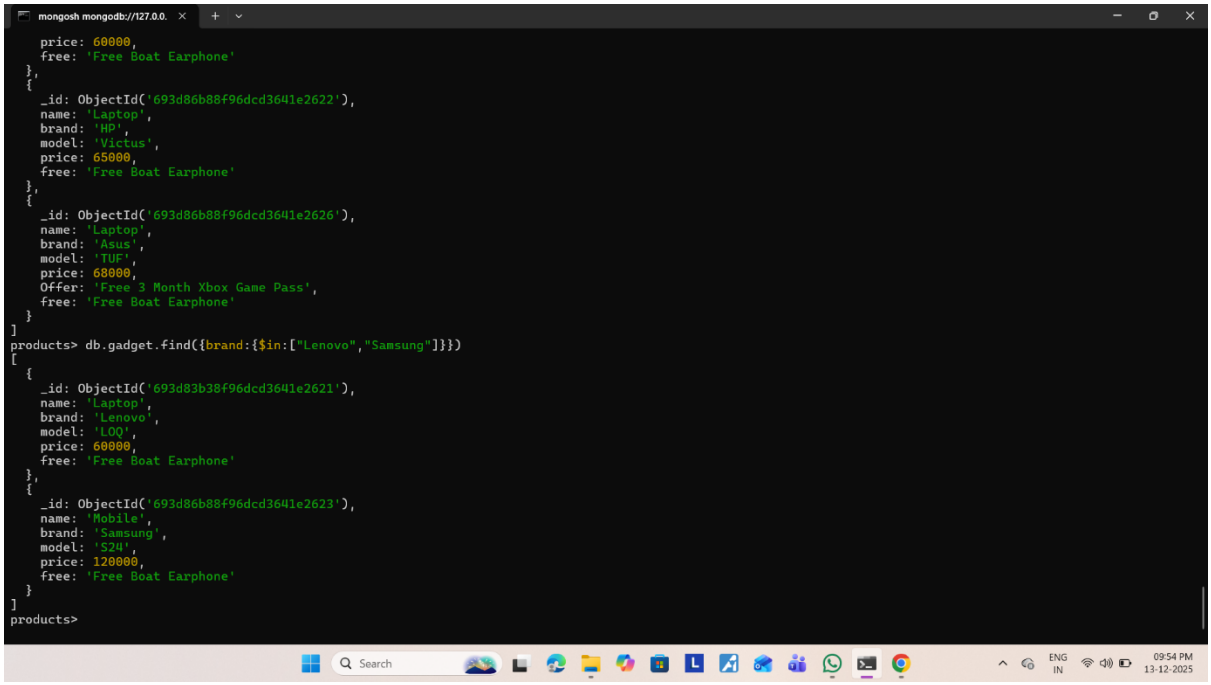
i. $gt



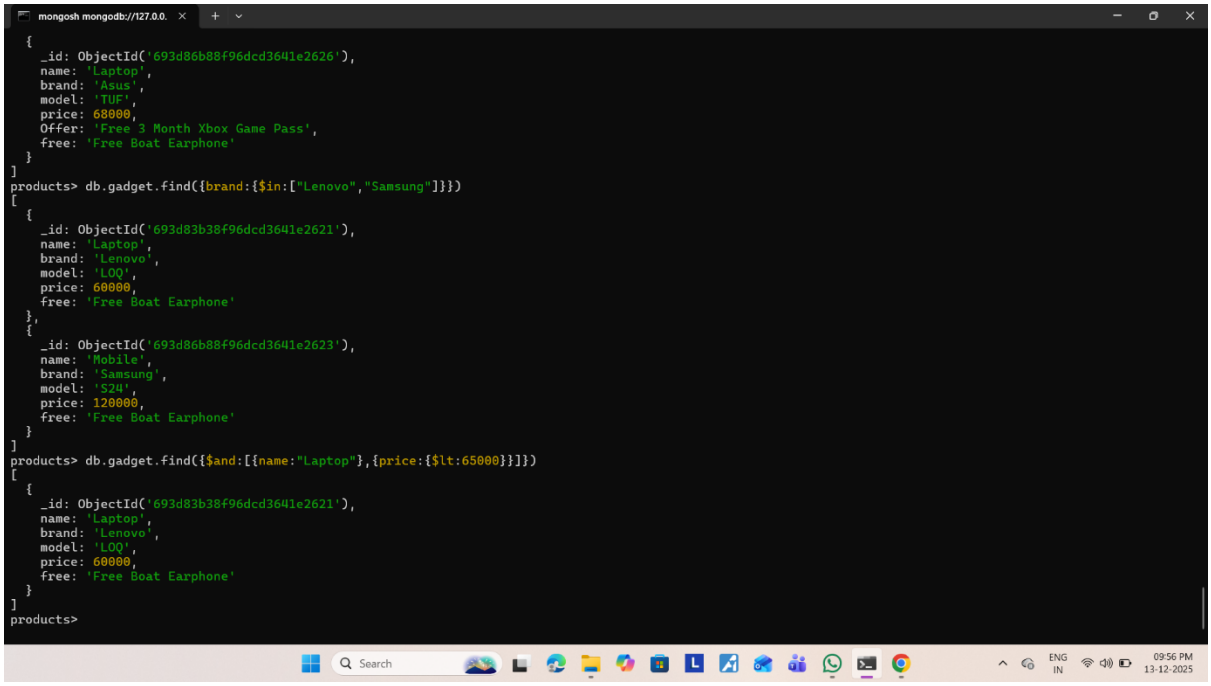
ii. $lt


mongosh mongodb://127.0.0.
price: 120000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2624'),
name: 'Mobile',
brand: 'Vivo',
model: 'X200',
price: 130000,
free: 'Free Boat Earphone'
}
]
products> db.gadget.find({price:{$lt:100000}})
[
{
_id: ObjectId('693d83b38f96dcd3641e2621'),
name: 'Laptop',
brand: 'Lenovo',
model: 'LOQ',
price: 60000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2622'),
name: 'Laptop',
brand: 'HP',
model: 'Victus',
price: 65000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2626'),
name: 'Laptop',
brand: 'Asus',
model: 'TUF',
price: 68000,
Offer: 'Free 3 Month Xbox Game Pass',
free: 'Free Boat Earphone'
}
]
products>
Search
ENG
IN
09:52 PM
13-12-2025

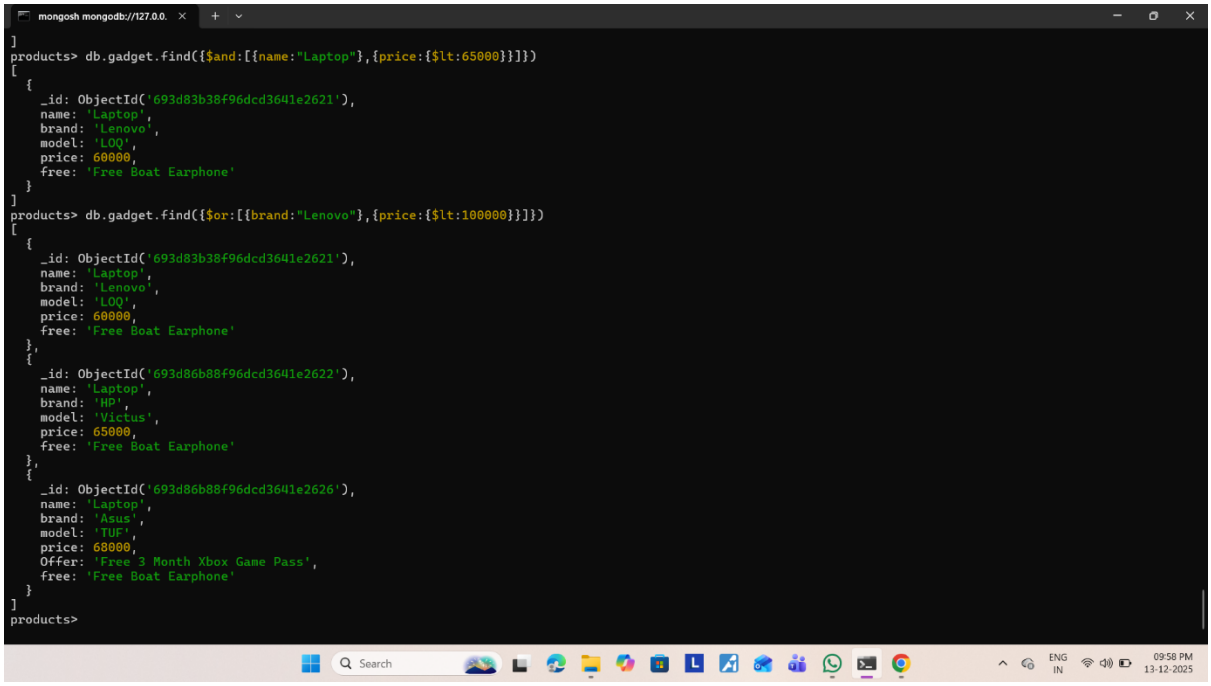
iii. $in


mongosh mongodb://127.0.0.
price: 60000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2622'),
name: 'Laptop',
brand: 'HP',
model: 'Victus',
price: 65000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2626'),
name: 'Laptop',
brand: 'Asus',
model: 'TUF',
price: 68000,
Offer: 'Free 3 Month Xbox Game Pass',
free: 'Free Boat Earphone'
}
]
products> db.gadget.find({brand:{$in:["Lenovo","Samsung"]}})
[
{
_id: ObjectId('693d83b38f96dcd3641e2621'),
name: 'Laptop',
brand: 'Lenovo',
model: 'LOQ',
price: 60000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2623'),
name: 'Mobile',
brand: 'Samsung',
model: 'S24',
price: 120000,
free: 'Free Boat Earphone'
}
]
products>
Search
ENG
IN
09:54 PM
13-12-2025

iv. $and


mongosh mongodb://127.0.0.
{
_id: ObjectId('693d86b88f96dcd3641e2626'),
name: 'Laptop',
brand: 'Asus',
model: 'TUF',
price: 68000,
Offer: 'Free 3 Month Xbox Game Pass',
free: 'Free Boat Earphone'
}
]
products> db.gadget.find({brand:{$in:["Lenovo","Samsung"]}})
[
{
_id: ObjectId('693d83b38f96dcd3641e2621'),
name: 'Laptop',
brand: 'Lenovo',
model: 'LOQ',
price: 60000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2623'),
name: 'Mobile',
brand: 'Samsung',
model: 'S24',
price: 120000,
free: 'Free Boat Earphone'
}
]
products> db.gadget.find({$and:[{name:"Laptop"},{price:{$lt:65000}}]})
[
{
_id: ObjectId('693d83b38f96dcd3641e2621'),
name: 'Laptop',
brand: 'Lenovo',
model: 'LOQ',
price: 60000,
free: 'Free Boat Earphone'
}
]
products>
Search
ENG
IN
09:56 PM
13-12-2025

v. $or


mongosh mongodb://127.0.0.
]
products> db.gadget.find({$and:[{name:"Laptop"},{price:{$lt:65000}}]})
[
{
_id: ObjectId('693d83b38f96dcd3641e2621'),
name: 'Laptop',
brand: 'Lenovo',
model: 'LOQ',
price: 60000,
free: 'Free Boat Earphone'
}
]
products> db.gadget.find({$or:[{brand:"Lenovo"},{price:{$lt:100000}}]})
[
{
_id: ObjectId('693d83b38f96dcd3641e2621'),
name: 'Laptop',
brand: 'Lenovo',
model: 'LOQ',
price: 60000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2622'),
name: 'Laptop',
brand: 'HP',
model: 'Victus',
price: 65000,
free: 'Free Boat Earphone'
},
{
_id: ObjectId('693d86b88f96dcd3641e2626'),
name: 'Laptop',
brand: 'Asus',
model: 'TUF',
price: 68000,
Offer: 'Free 3 Month Xbox Game Pass',
free: 'Free Boat Earphone'
}
]
products>
Search
ENG
IN
09:58 PM
13-12-2025