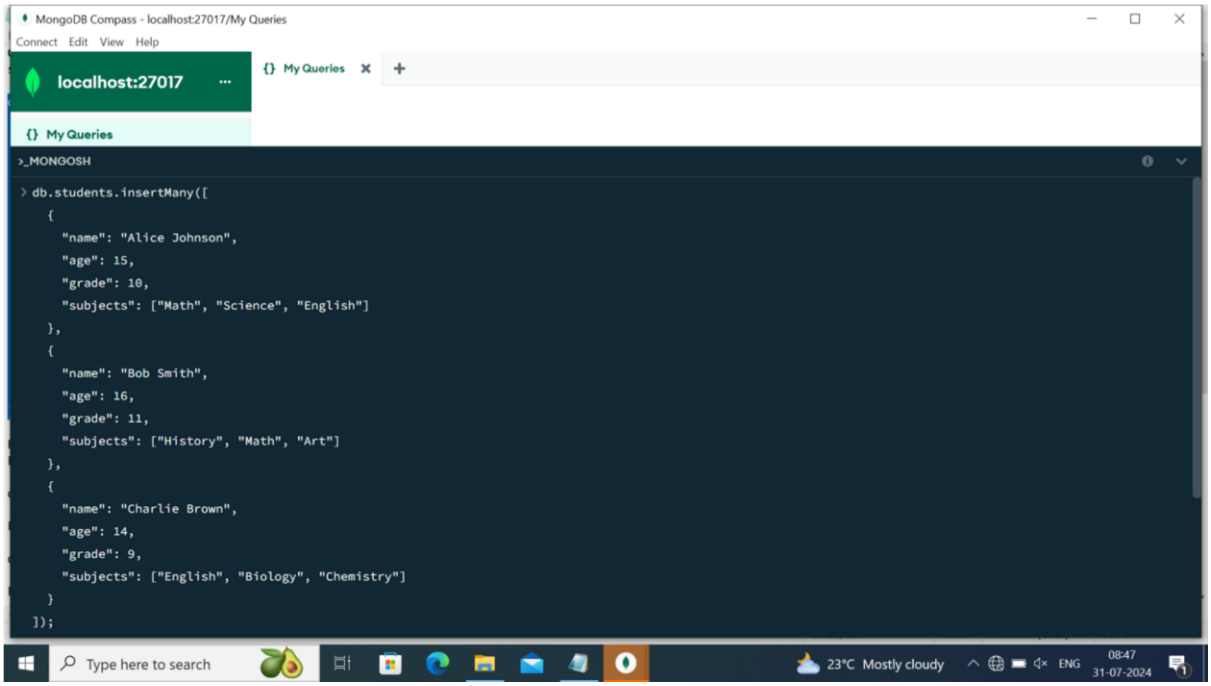
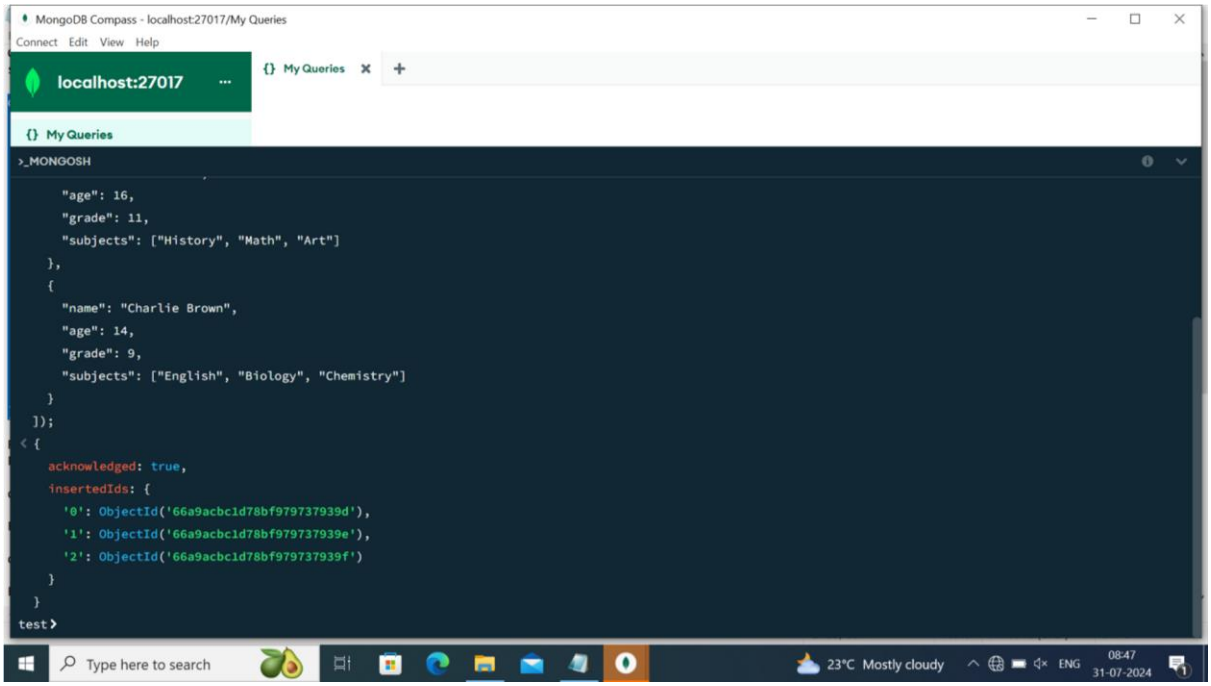
DATE:30/07/2024

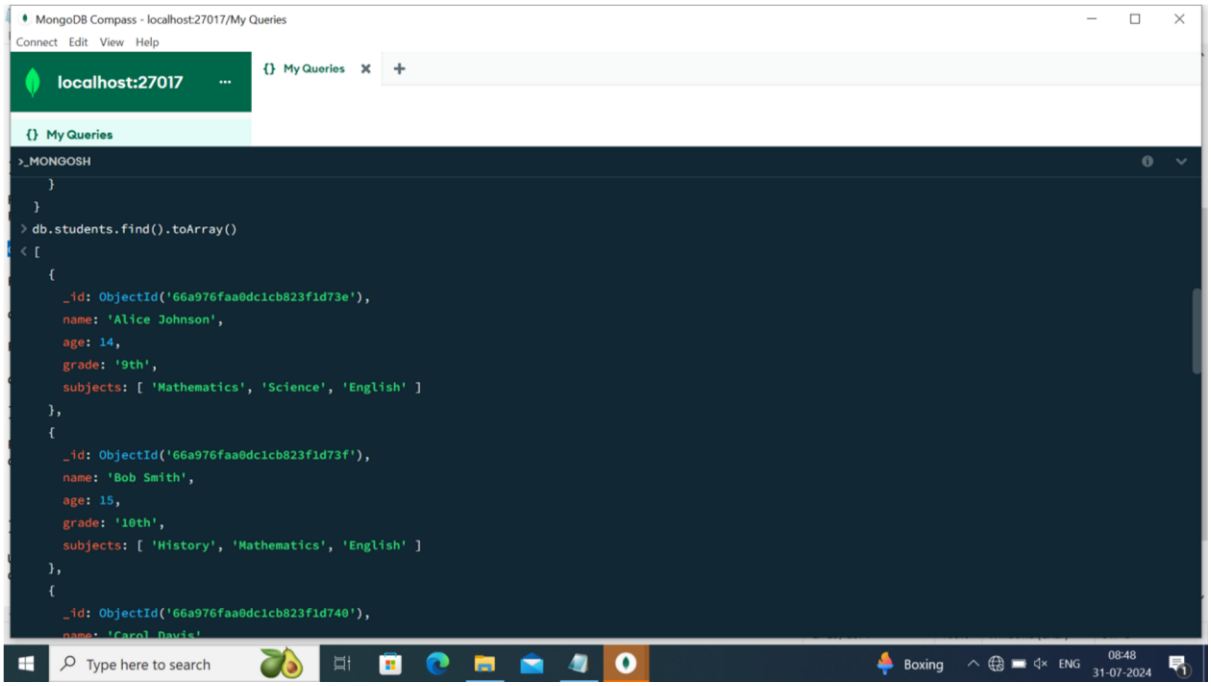
1. Create: Insert multiple documents into a collection called students with fields such as name, age, grade, and subjects.

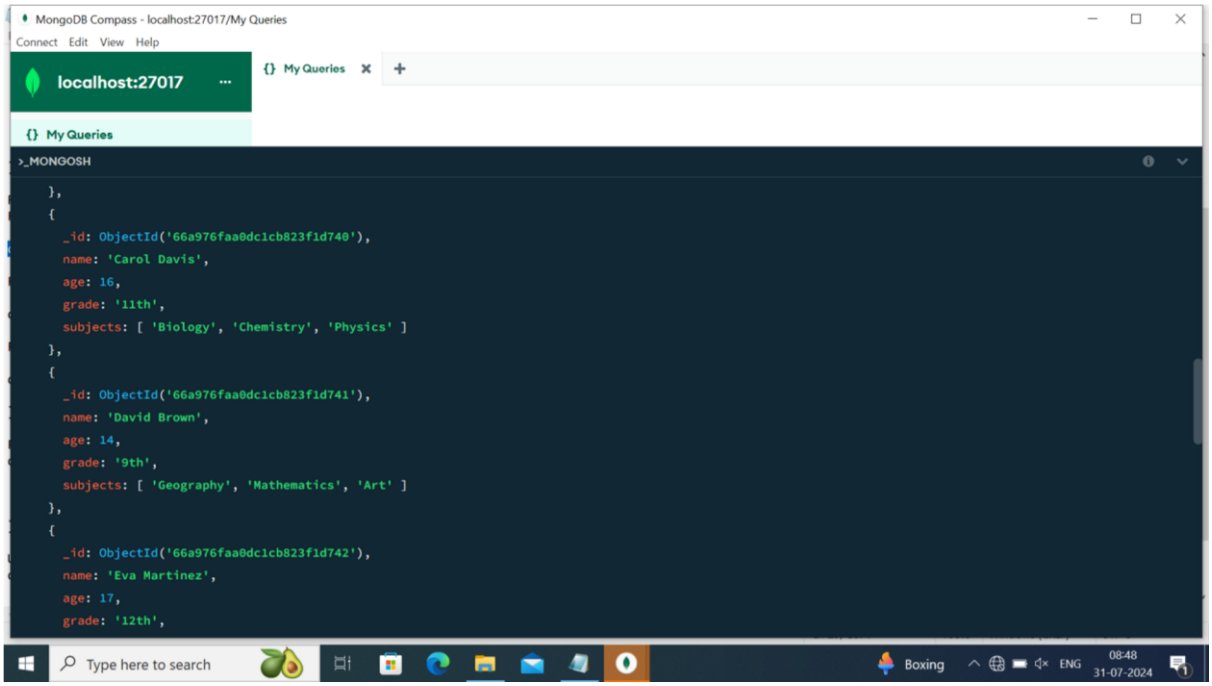




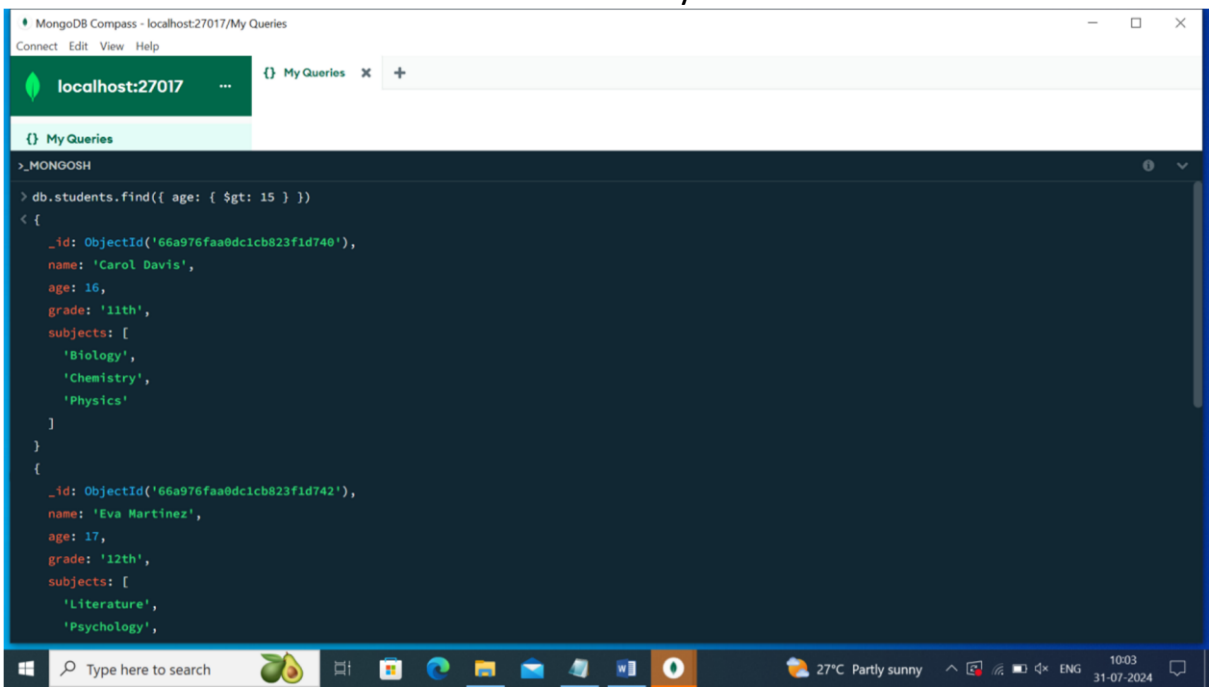
Find all Read:

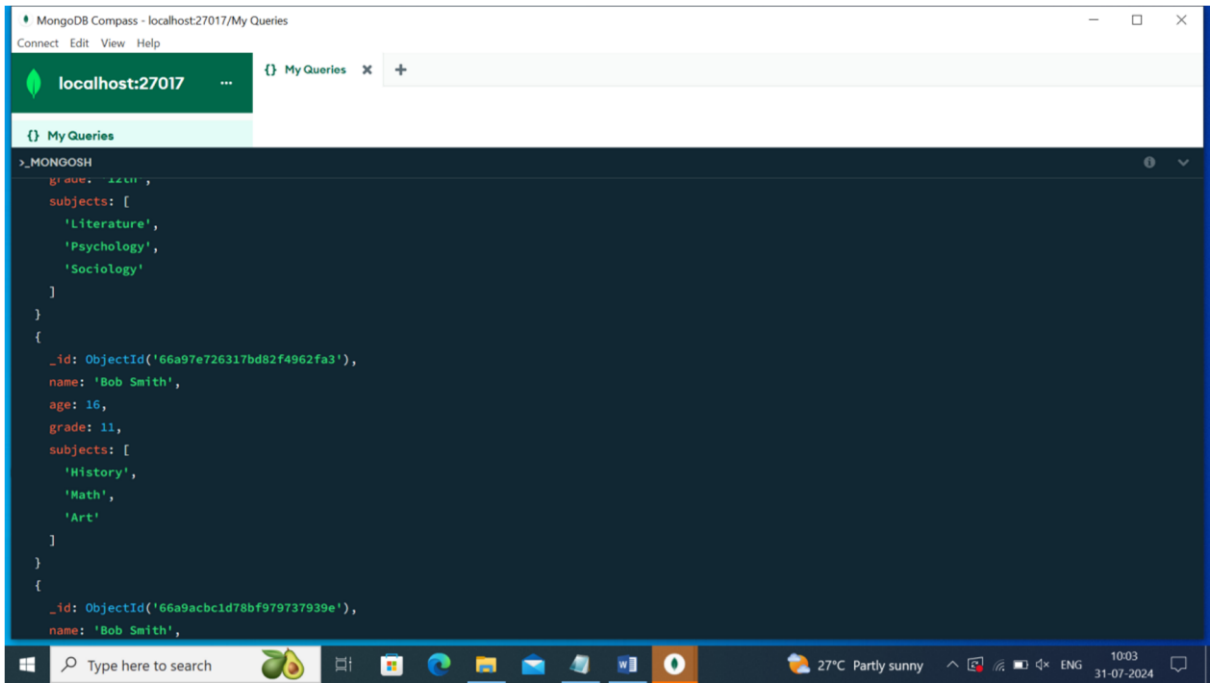
Write queries to: students.


MongoDB Compass - localhost:27017/My Queries
Connect Edit View Help
localhost:27017
My Queries
My Queries
>_MONGOSH
}
}
db.students.find().toArray()
[
{
_id: ObjectId('66a976faa0dc1cb823f1d73e'),
name: 'Alice Johnson',
age: 14,
grade: '9th',
subjects: ['Mathematics', 'Science', 'English']
},
{
_id: ObjectId('66a976faa0dc1cb823f1d73f'),
name: 'Bob Smith',
age: 15,
grade: '10th',
subjects: ['History', 'Mathematics', 'English']
},
{
_id: ObjectId('66a976faa0dc1cb823f1d740'),
Type here to search
Boxing
ENG
08:48
31-07-2024


MongoDB Compass - localhost:27017/My Queries
Connect Edit View Help
localhost:27017
My Queries
My Queries
>_MONGOSH
},
{
_id: ObjectId('66a976faa0dc1cb823f1d740'),
name: 'Carol Davis',
age: 16,
grade: '11th',
subjects: ['Biology', 'Chemistry', 'Physics']
},
{
_id: ObjectId('66a976faa0dc1cb823f1d741'),
name: 'David Brown',
age: 14,
grade: '9th',
subjects: ['Geography', 'Mathematics', 'Art']
},
{
_id: ObjectId('66a976faa0dc1cb823f1d742'),
name: 'Eva Martinez',
age: 17,
grade: '12th',
Type here to search
Boxing
ENG
08:48
31-07-2024

2.Find students who are older than 15 years




MongoDB Compass - localhost:27017/My Queries
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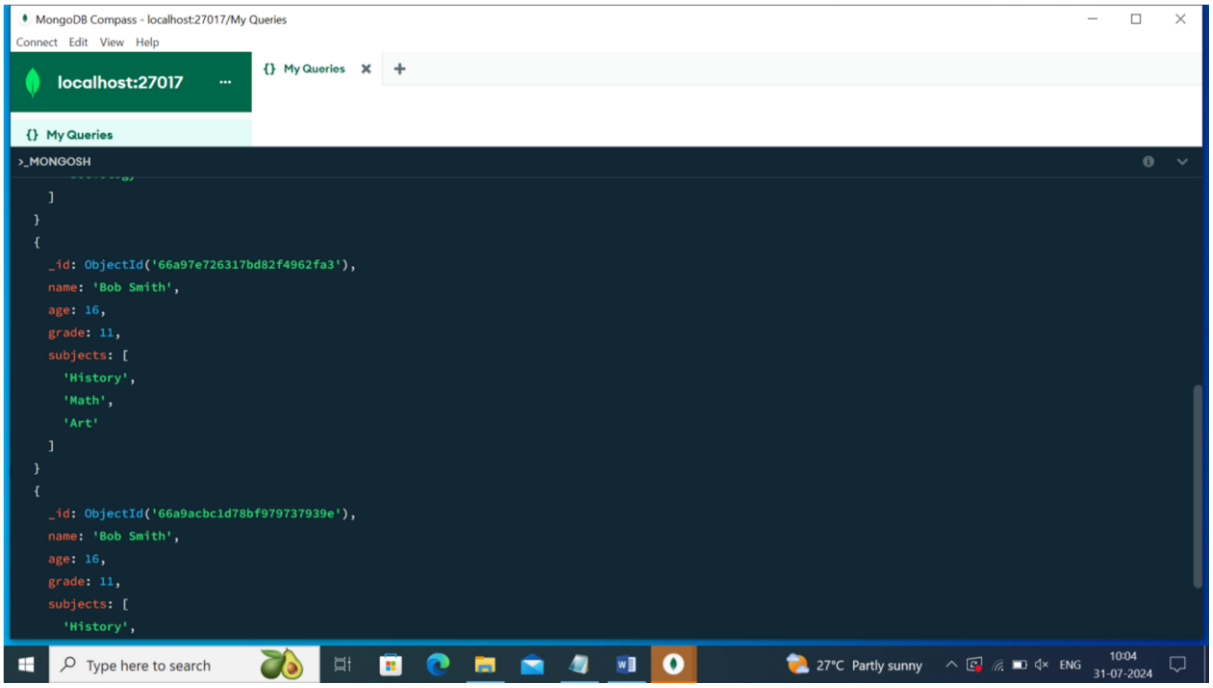
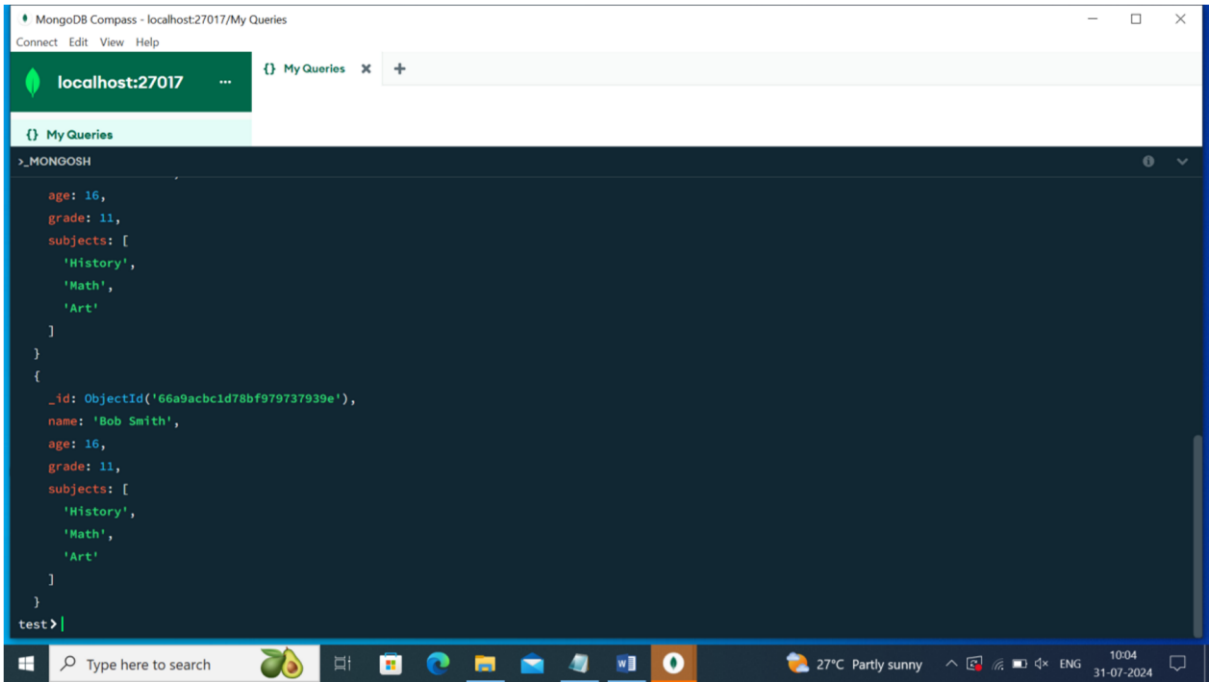
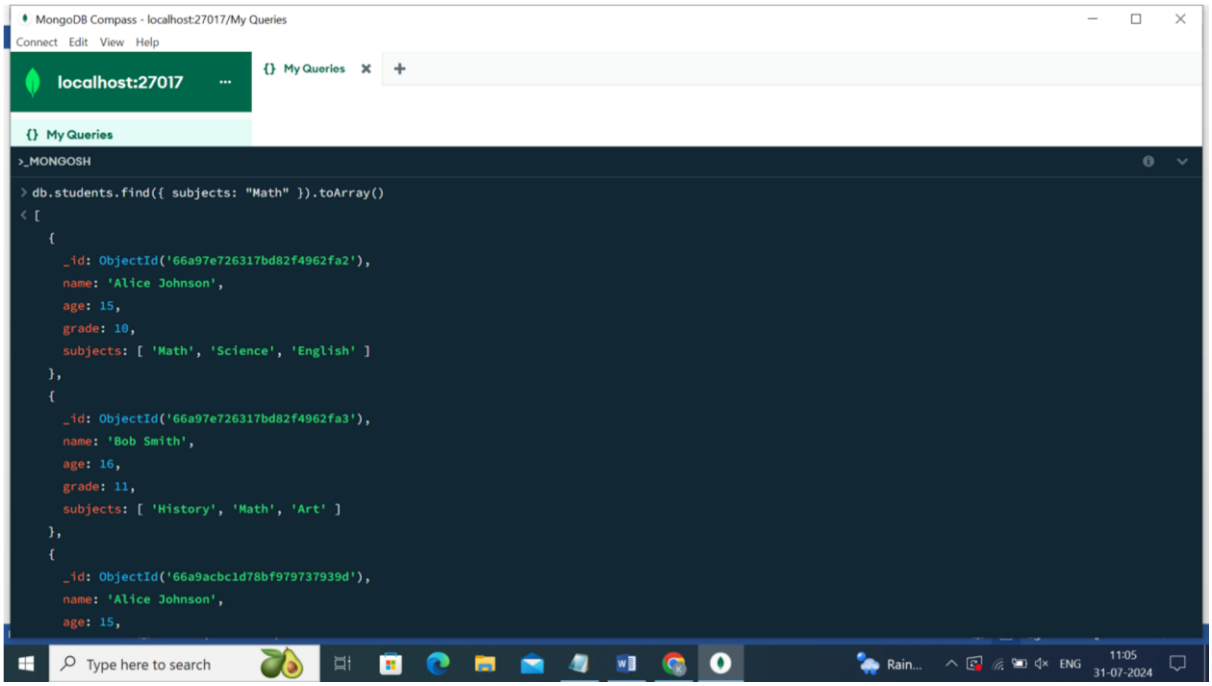
localhost:27017
My Queries
My Queries
>_MONGOSH
subjects: [
'Literature',
'Psychology',
'Sociology'
]
}
{
_id: ObjectId('66a97e726317bd82f4962fa3'),
name: 'Bob Smith',
age: 16,
grade: 11,
subjects: [
'History',
'Math',
'Art'
]
}
{
_id: ObjectId('66a9acbc1d78bf979737939e'),
name: 'Bob Smith',
Type here to search
27°C Partly sunny
ENG
10:03
31-07-2024


MongoDB Compass - localhost:27017/My Queries
Connect Edit View Help
localhost:27017
My Queries
My Queries
>_MONGOSH
]
}
{
_id: ObjectId('66a97e726317bd82f4962fa3'),
name: 'Bob Smith',
age: 16,
grade: 11,
subjects: [
'History',
'Math',
'Art'
]
}
{
_id: ObjectId('66a9acbc1d78bf979737939e'),
name: 'Bob Smith',
age: 16,
grade: 11,
subjects: [
'History',
Type here to search
27°C Partly sunny
ENG
10:04
31-07-2024



3.Find students who have "Math" as one of their subjects.


MongoDB Compass - localhost:27017/My Queries
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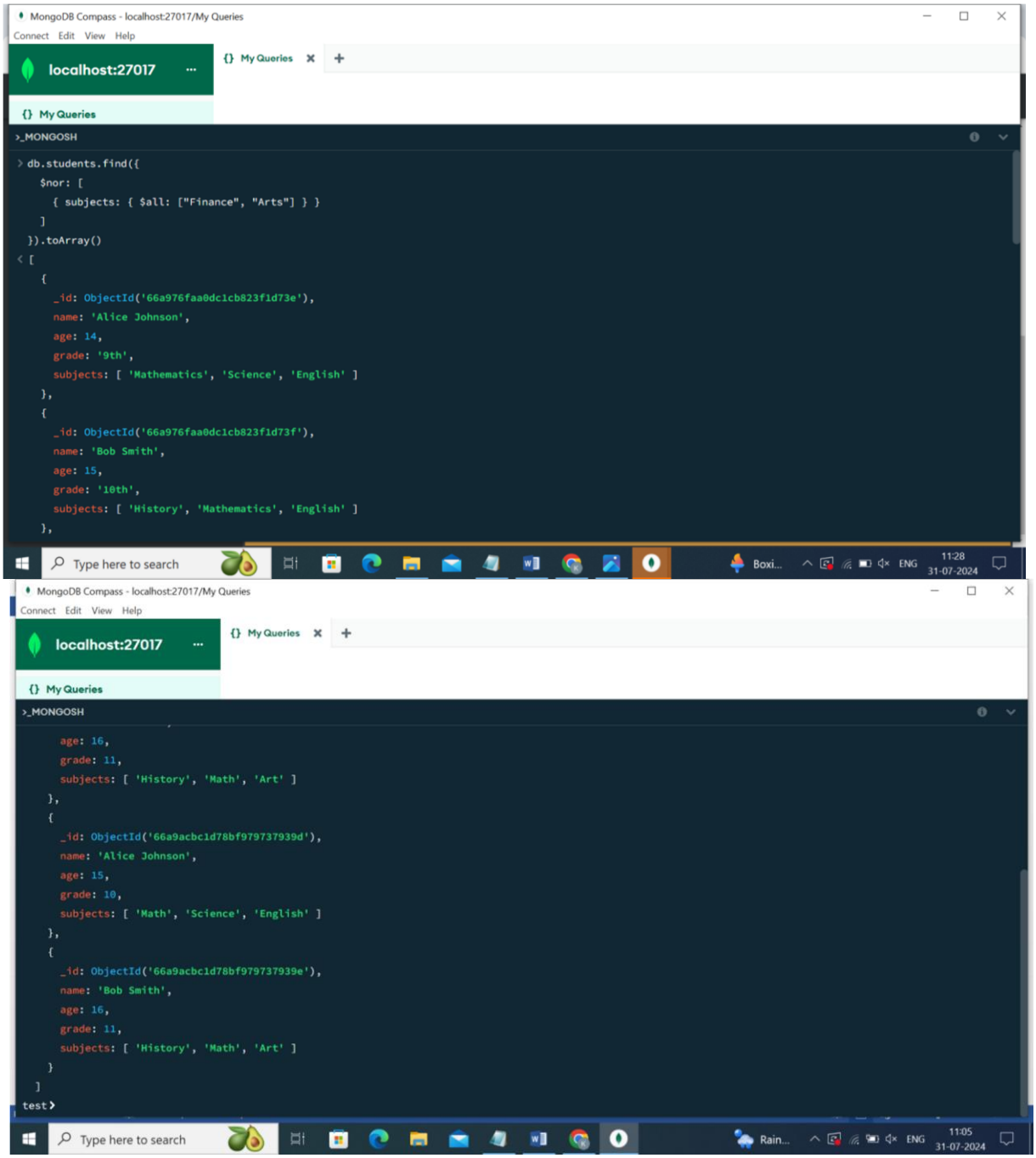
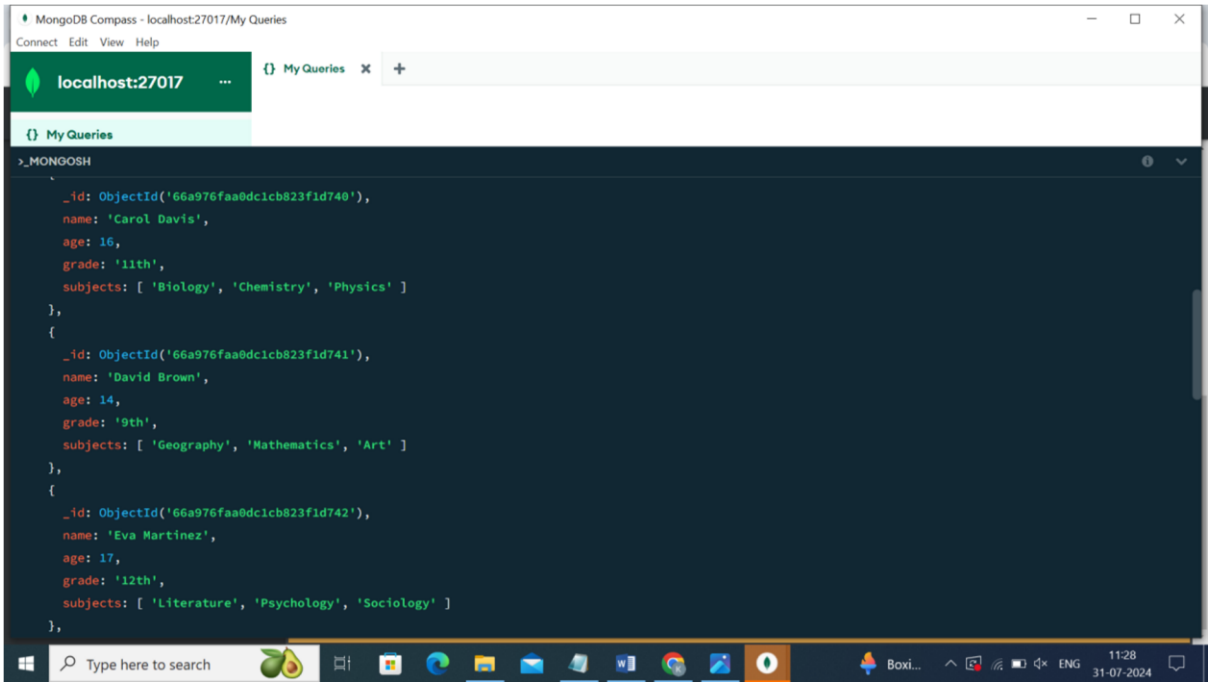
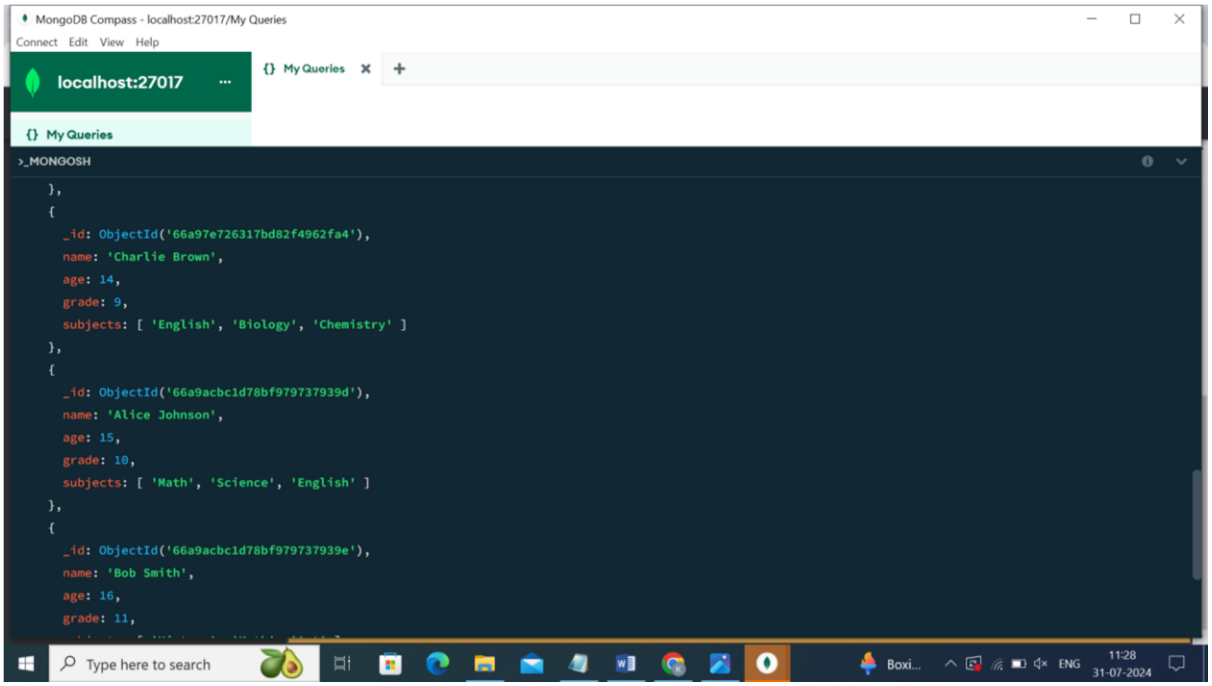
localhost:27017
My Queries
My Queries
>_MONGOSH
> db.students.find({ subjects: "Math" }).toArray()
< [
{
_id: ObjectId('66a97e726317bd82f4962fa2'),
name: 'Alice Johnson',
age: 15,
grade: 10,
subjects: ['Math', 'Science', 'English']
},
{
_id: ObjectId('66a97e726317bd82f4962fa3'),
name: 'Bob Smith',
age: 16,
grade: 11,
subjects: ['History', 'Math', 'Art']
},
{
_id: ObjectId('66a9acbc1d78bf979737939d'),
name: 'Alice Johnson',
age: 15,
Type here to search
Rain...
ENG
11:05
31-07-2024



4. Find students who not have both "Finance" and “Arts” subjects


MongoDB Compass - localhost:27017/My Queries
Connect Edit View Help
localhost:27017
My Queries
My Queries
>_MONGOSH
{
_id: ObjectId('66a976faa0dc1cb823f1d740'),
name: 'Carol Davis',
age: 16,
grade: '11th',
subjects: ['Biology', 'Chemistry', 'Physics']
},
{
_id: ObjectId('66a976faa0dc1cb823f1d741'),
name: 'David Brown',
age: 14,
grade: '9th',
subjects: ['Geography', 'Mathematics', 'Art']
},
{
_id: ObjectId('66a976faa0dc1cb823f1d742'),
name: 'Eva Martinez',
age: 17,
grade: '12th',
subjects: ['Literature', 'Psychology', 'Sociology']
},
Type here to search
Boxi...
ENG
11:28
31-07-2024


MongoDB Compass - localhost:27017/My Queries
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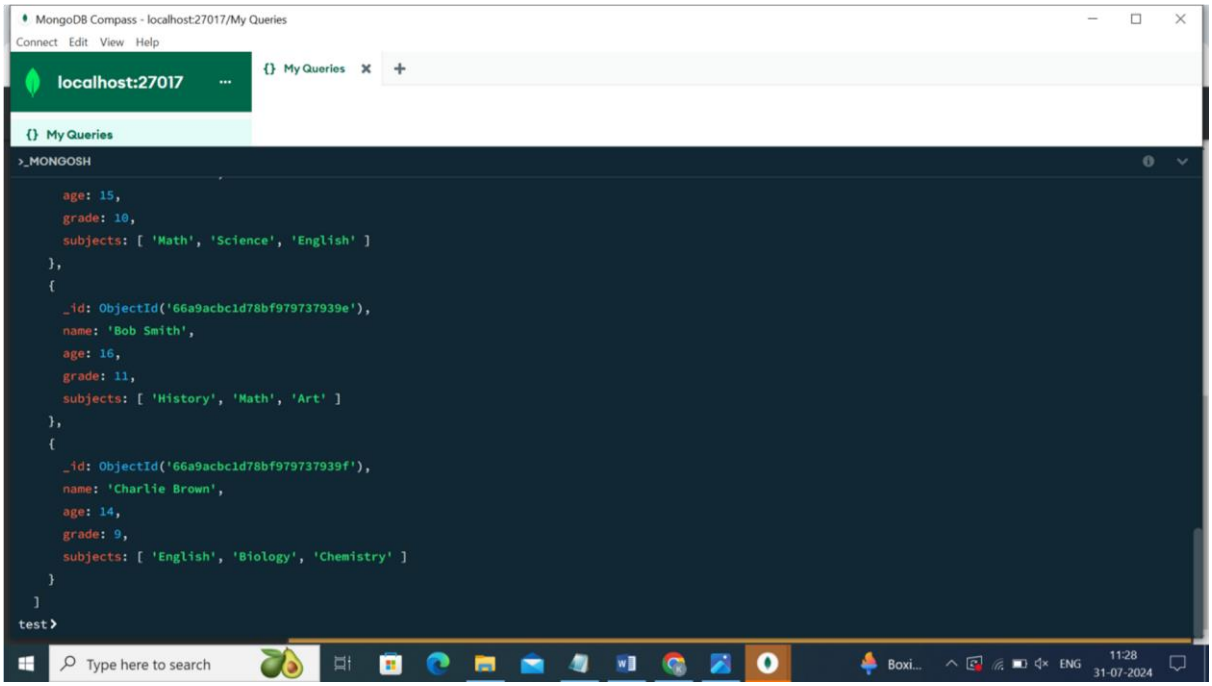
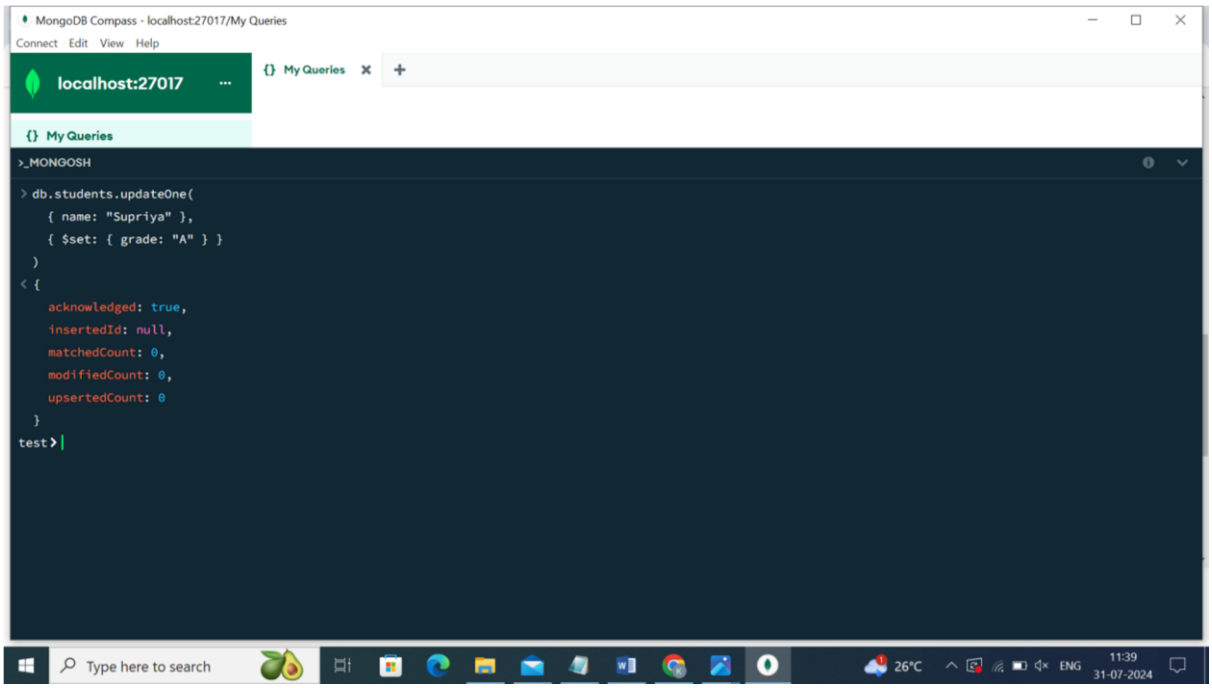
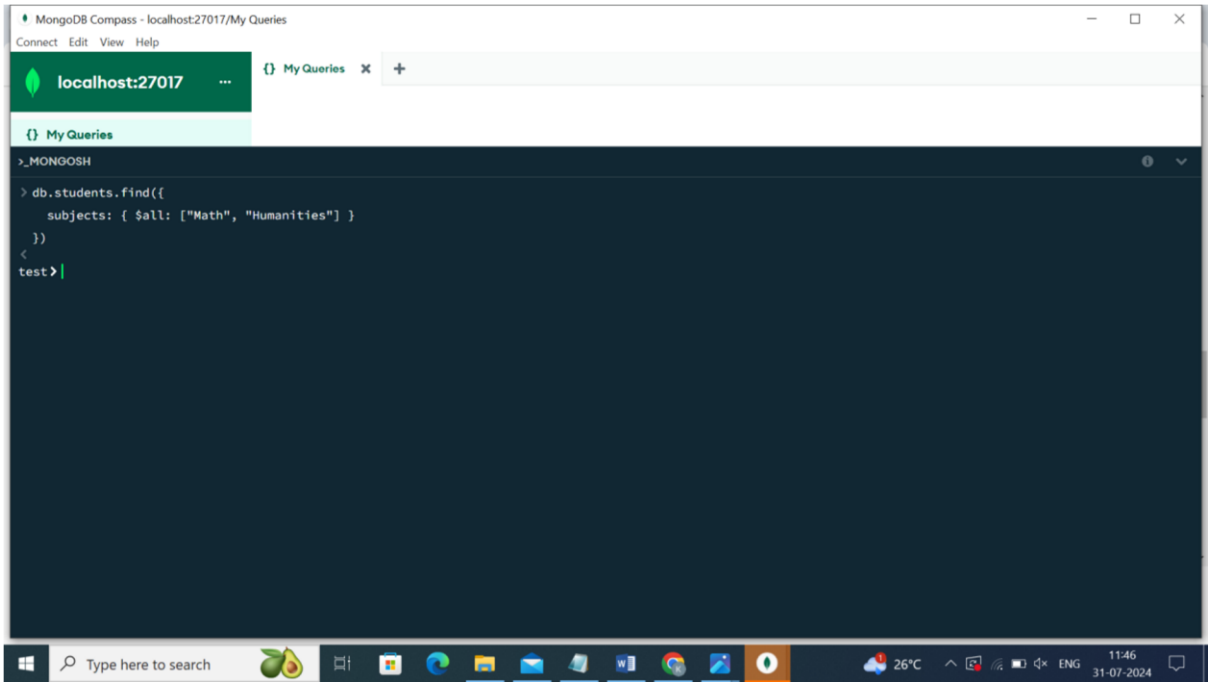
My Queries
My Queries
>_MONGOSH
},
{
_id: ObjectId('66a97e726317bd82f4962fa4'),
name: 'Charlie Brown',
age: 14,
grade: 9,
subjects: ['English', 'Biology', 'Chemistry']
},
{
_id: ObjectId('66a9acbc1d78bf979737939d'),
name: 'Alice Johnson',
age: 15,
grade: 10,
subjects: ['Math', 'Science', 'English']
},
{
_id: ObjectId('66a9acbc1d78bf979737939e'),
name: 'Bob Smith',
age: 16,
grade: 11,
Type here to search
Boxi...
ENG
11:28
31-07-2024



5. Update: Update the grade of a student named "Supriya" to "A"





6. Find students who have "Math" and “Humanities” subjects.