

WEB ASSIGNMENT

Q1-

```
const mongoose = require('mongoose');

async function main(){
    await
mongoose.connect('mongodb://127.0.0.1:27017/test3');
}

main()
.then(()=>{console.log("Connected Succesfully");})
.catch((err)=>{console.error(err);});

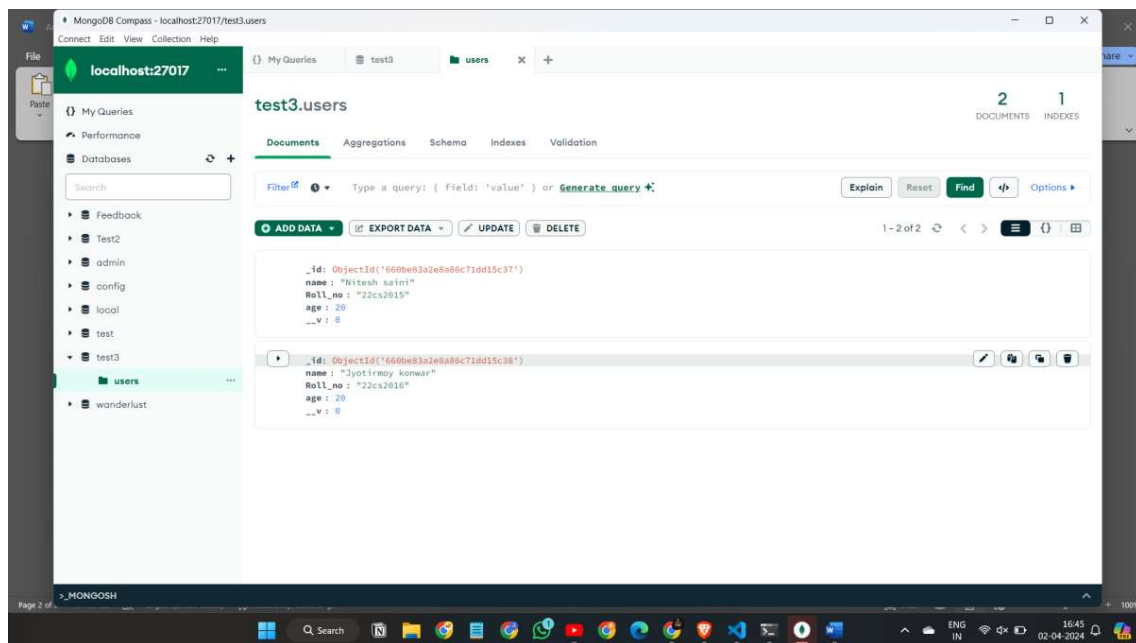
const userSchema = new mongoose.Schema({
    name:String,
    Roll_no:String,
    age:Number,
});

const User = mongoose.model("User",userSchema); //
Making the model or we can say making the collection
and giving the template to the collection.

const user1=new User({ // Inserting one by one or
making the document for the collection User.
    name: "Nitesh saini",
    Roll_no: "22cs2015",
    age: 20
});
```

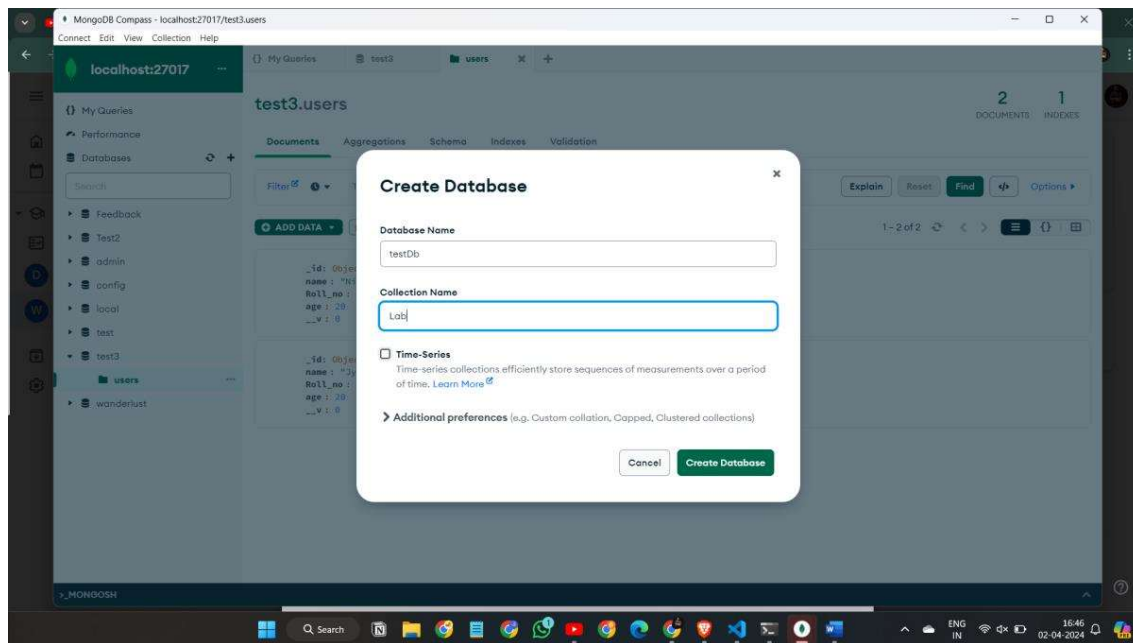
```
const user2=new User({ // Inserting or making the
document for the collection User.
  name: "Jyotirmoy konwar",
  Roll_no: "22cs2016",
  age: 20
});

user1.save();
user2.save();
```

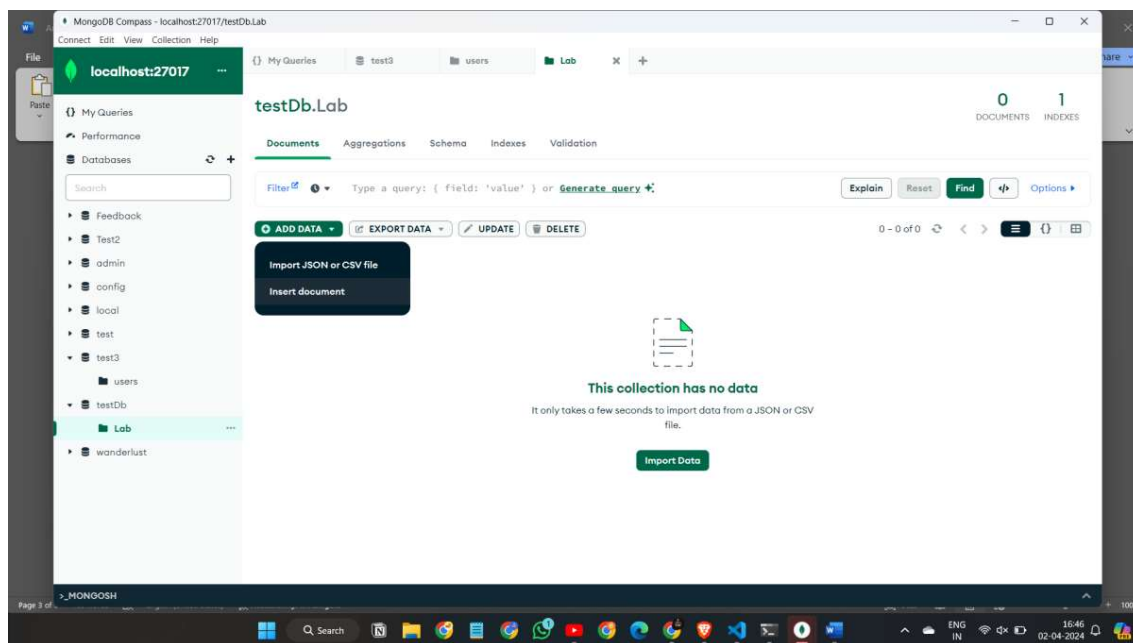


Q-2

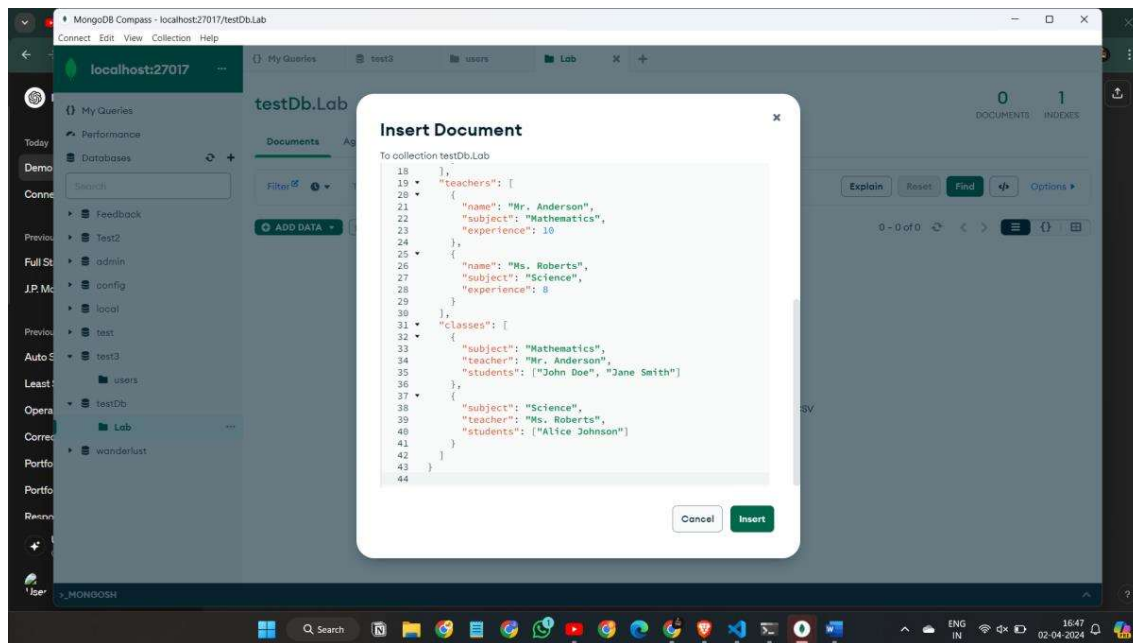
Step -1



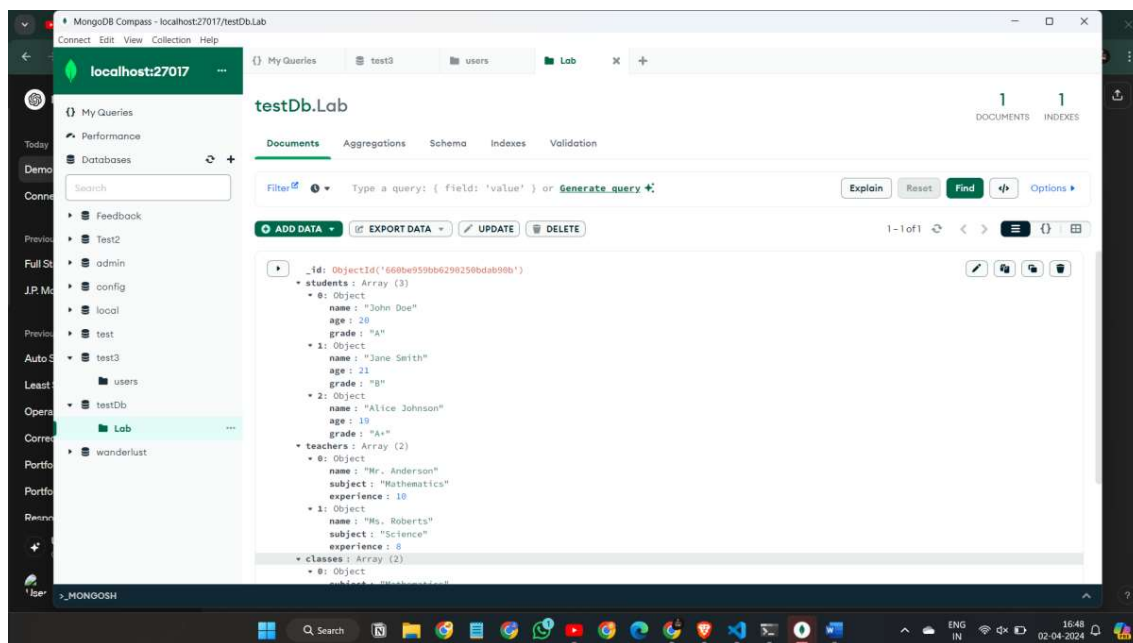
Step-2



Step-3

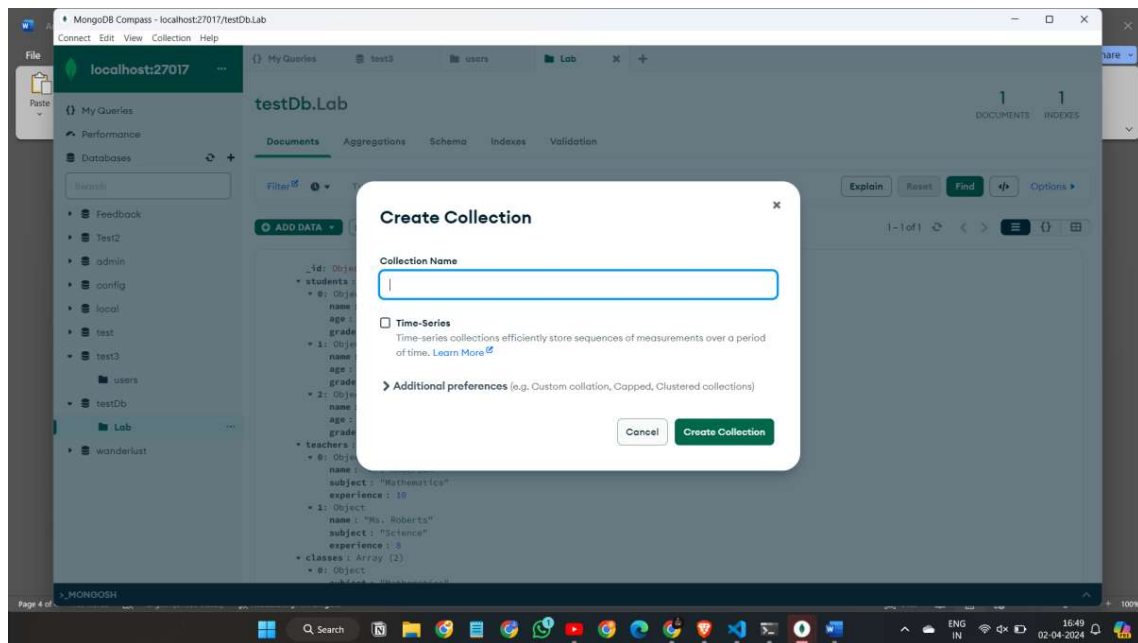


Step-4

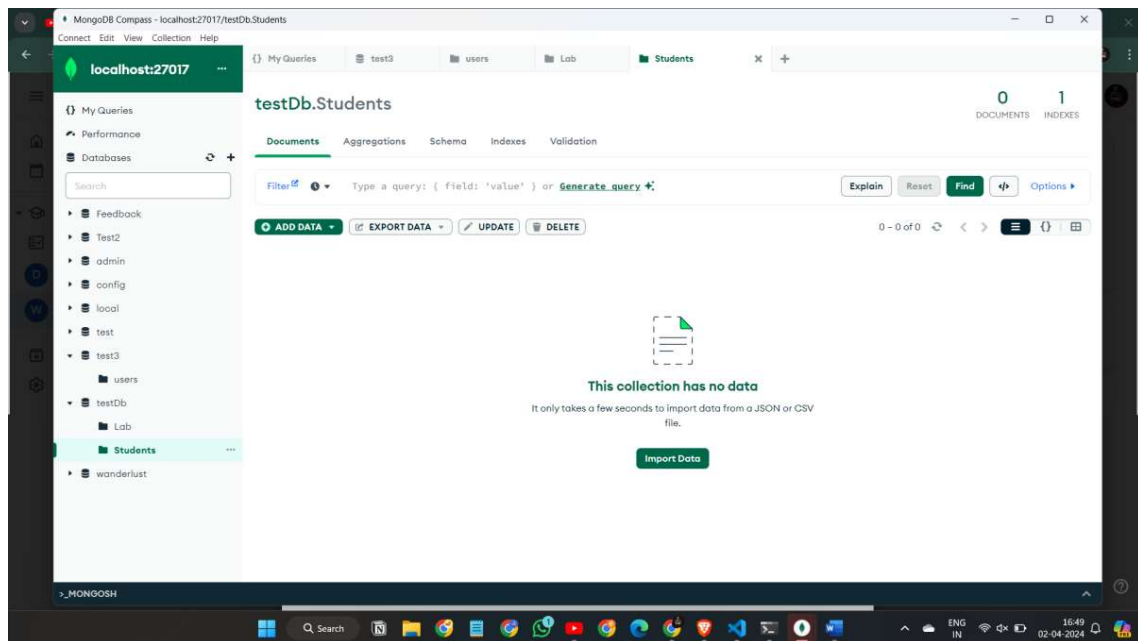


Q-3

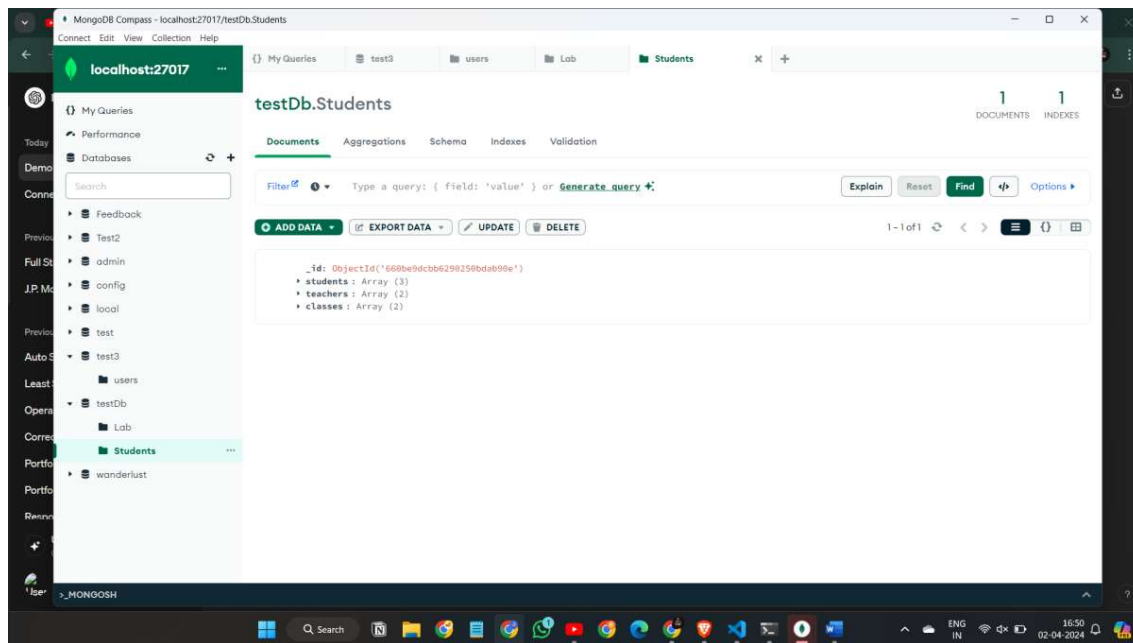
Step-1



Step-2

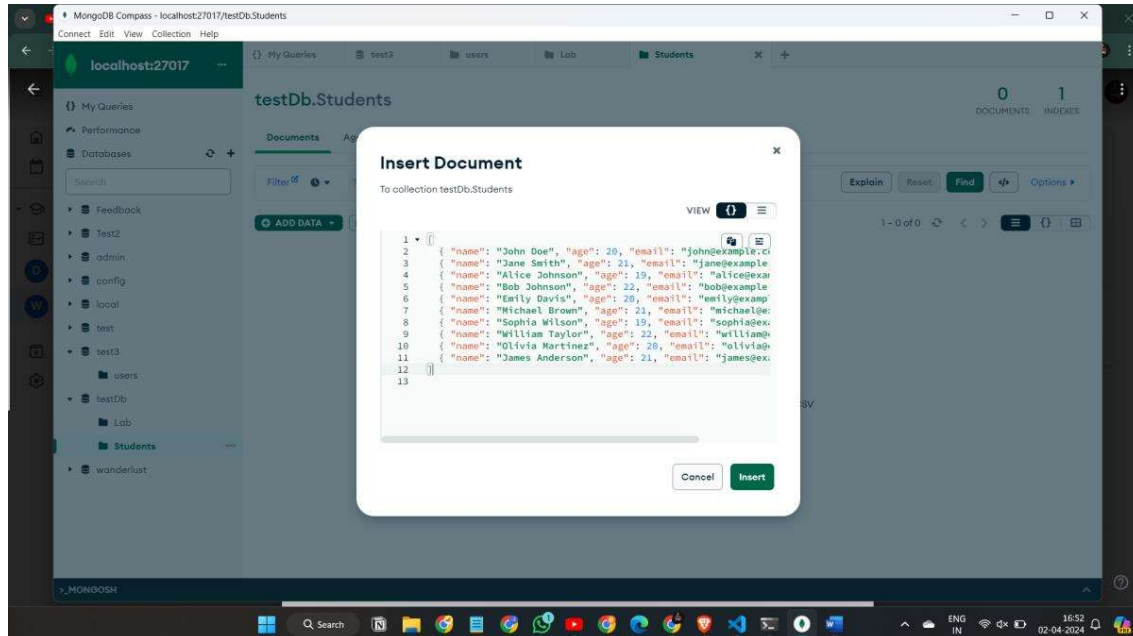


Step-3

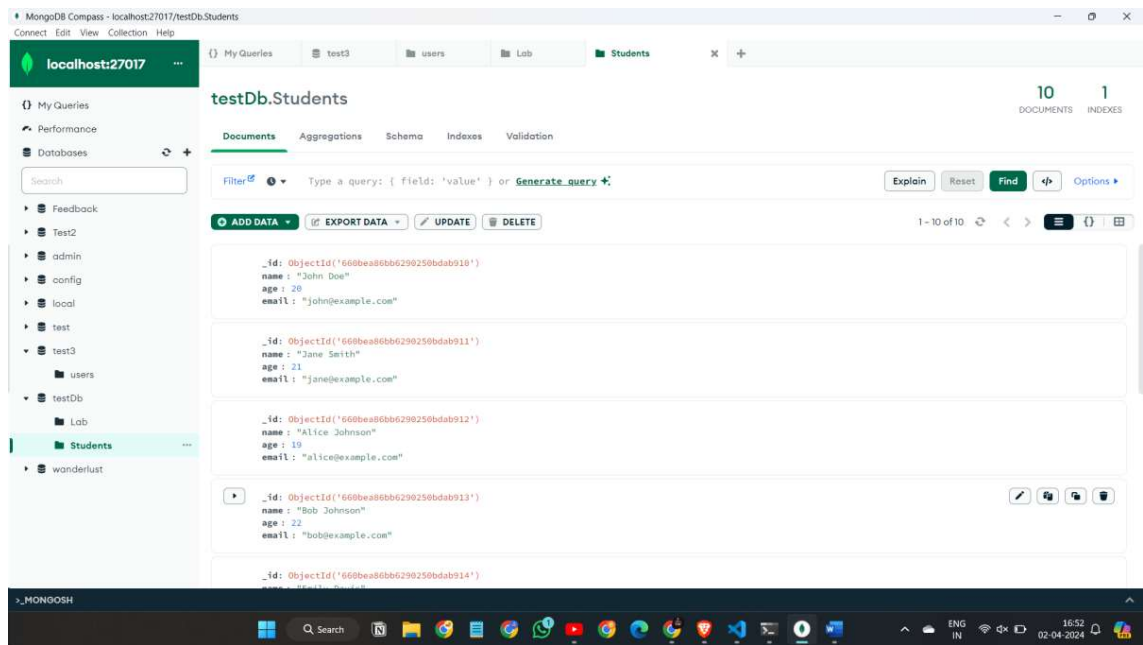


Q-4

Step-1

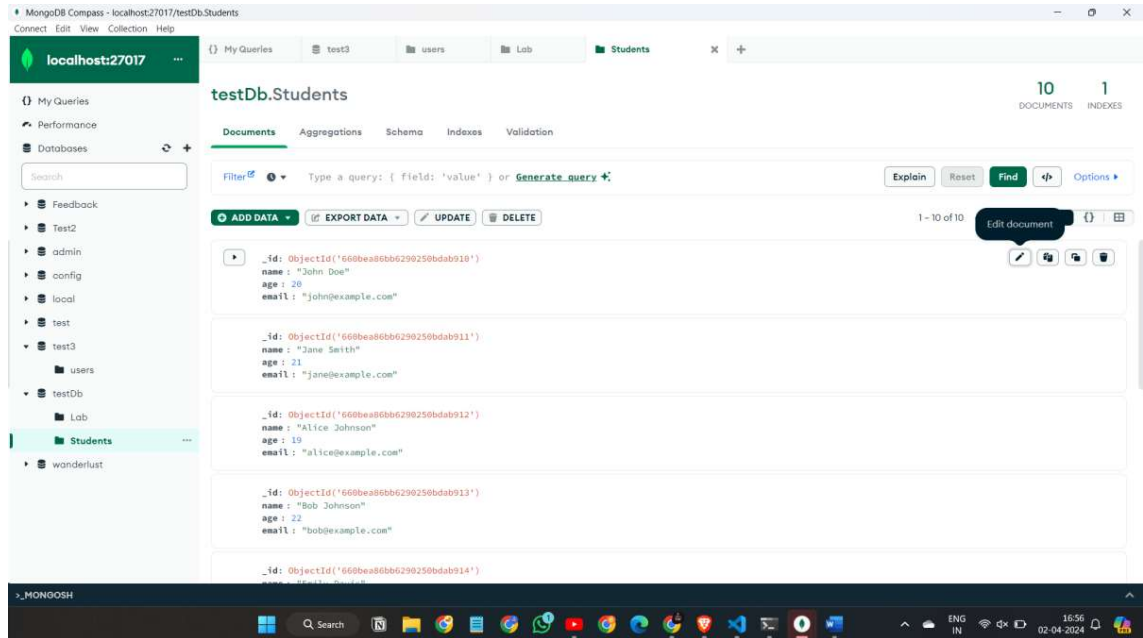


Q-5

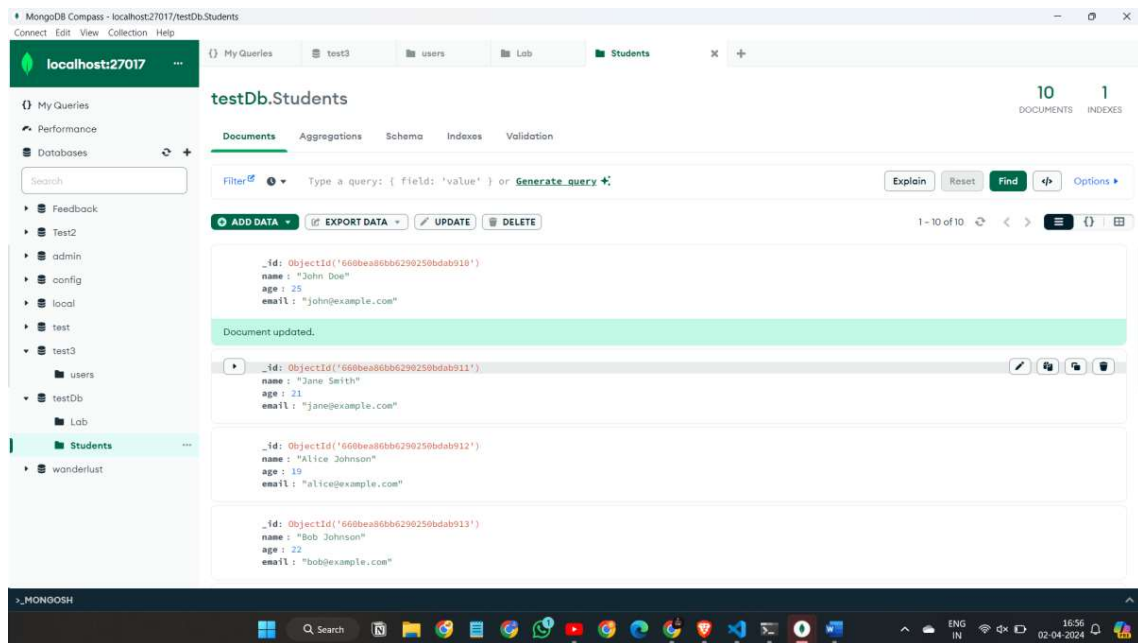


Q-6

Step-1

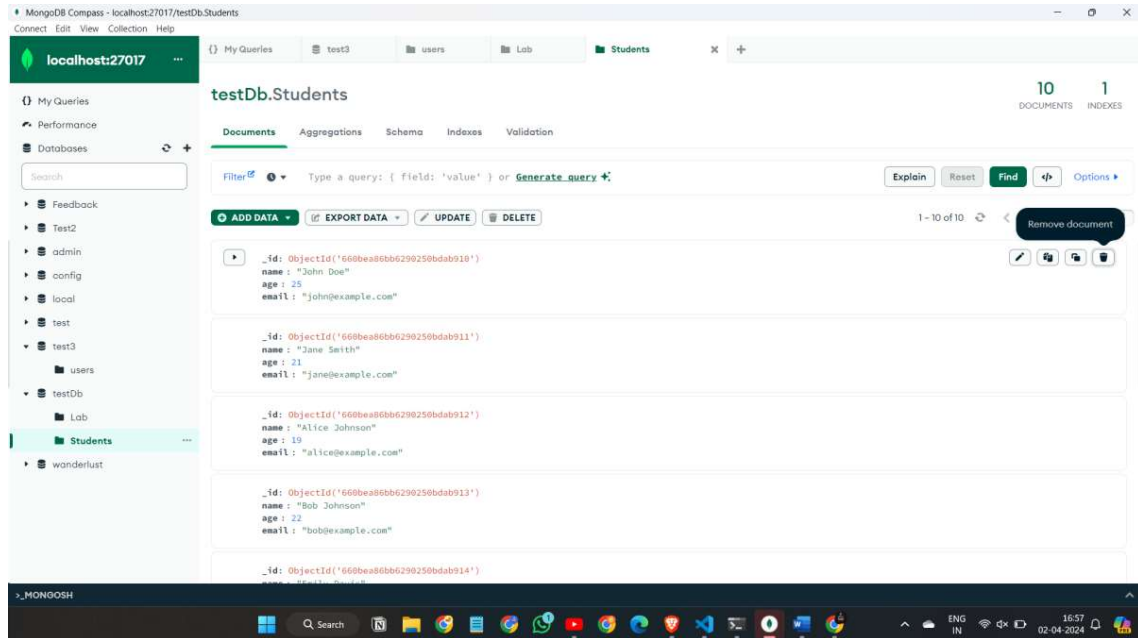


Step-2

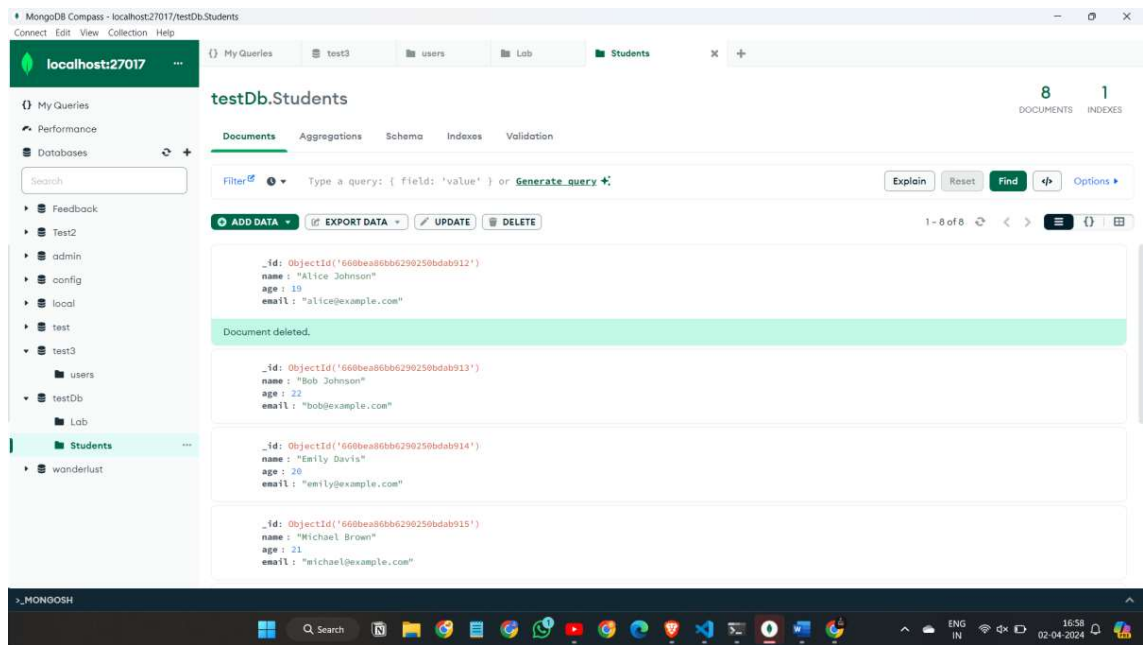


Q-7

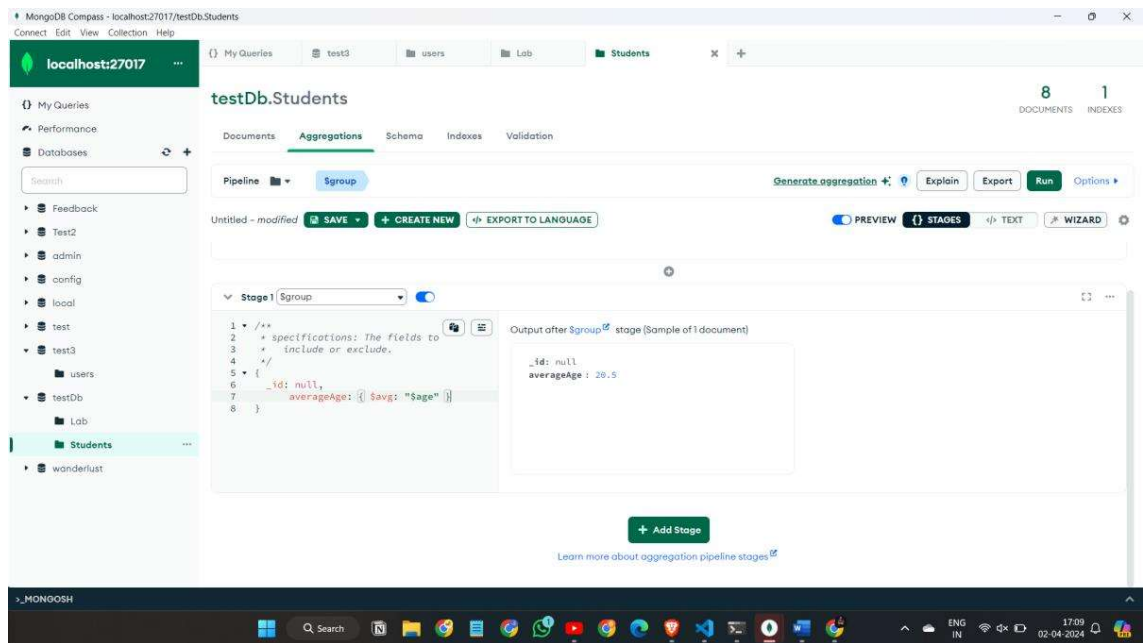
Step-1



Step-2

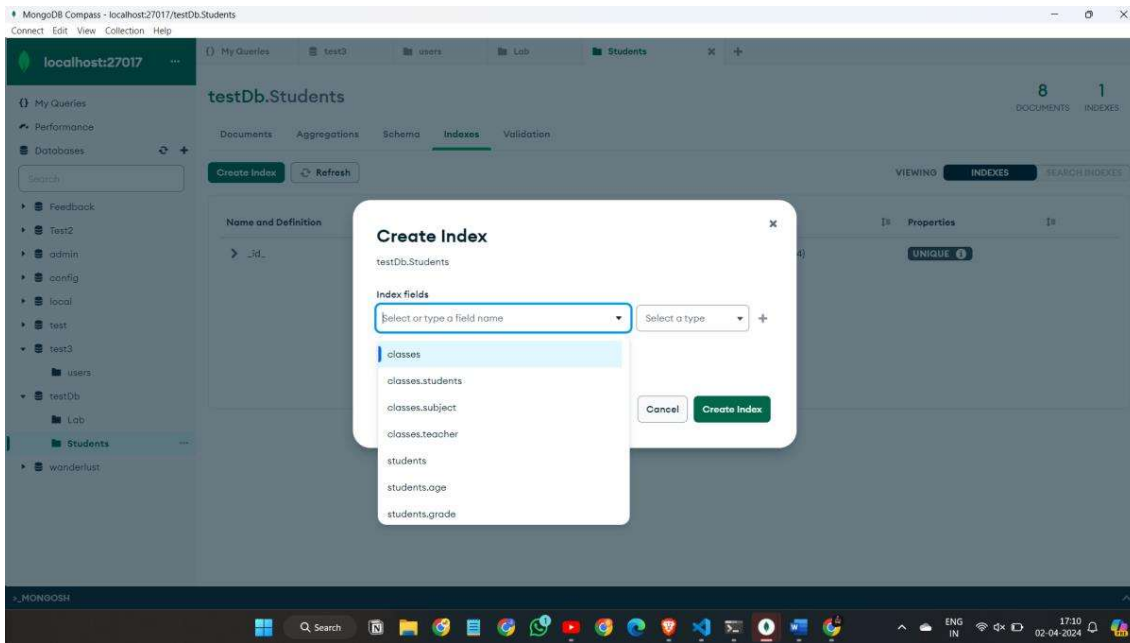


Q-8

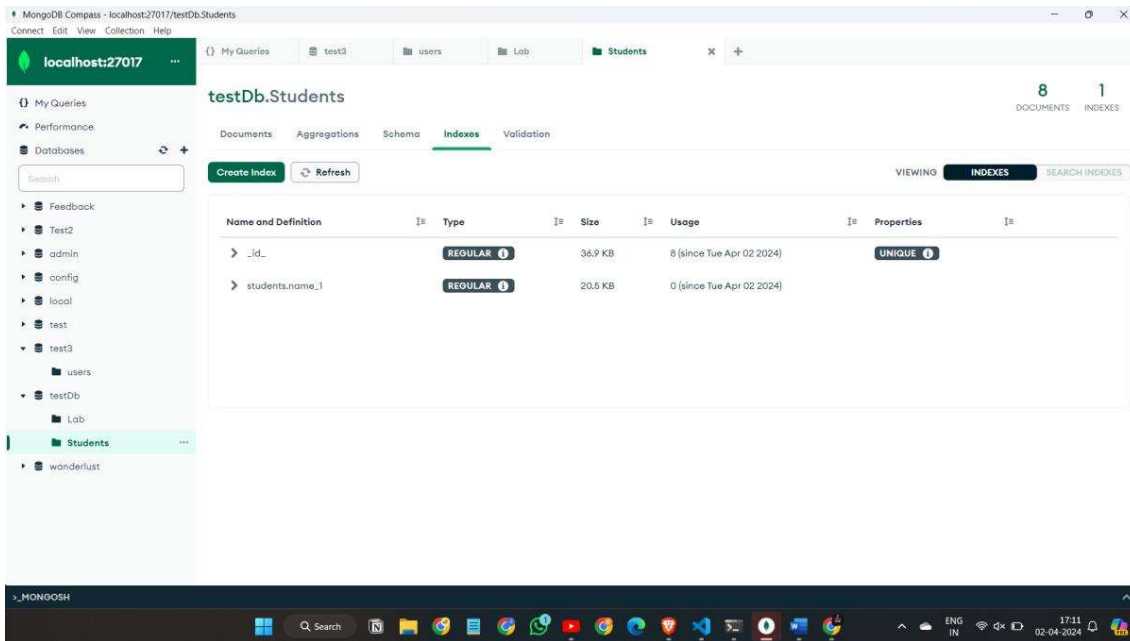


Q-9

Step-1

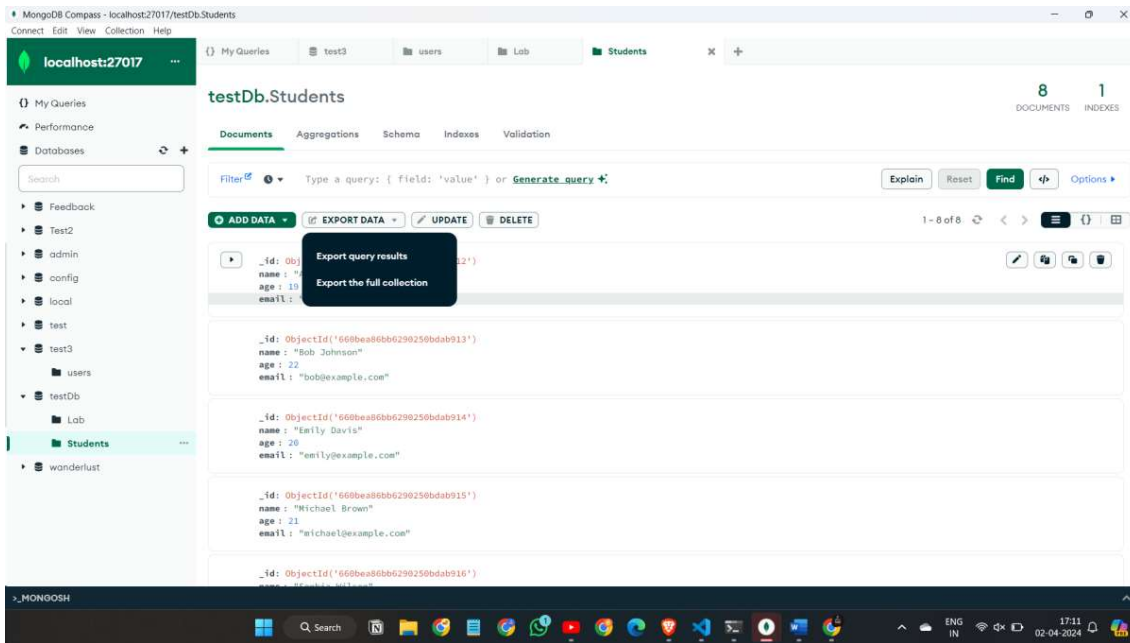


Step-2

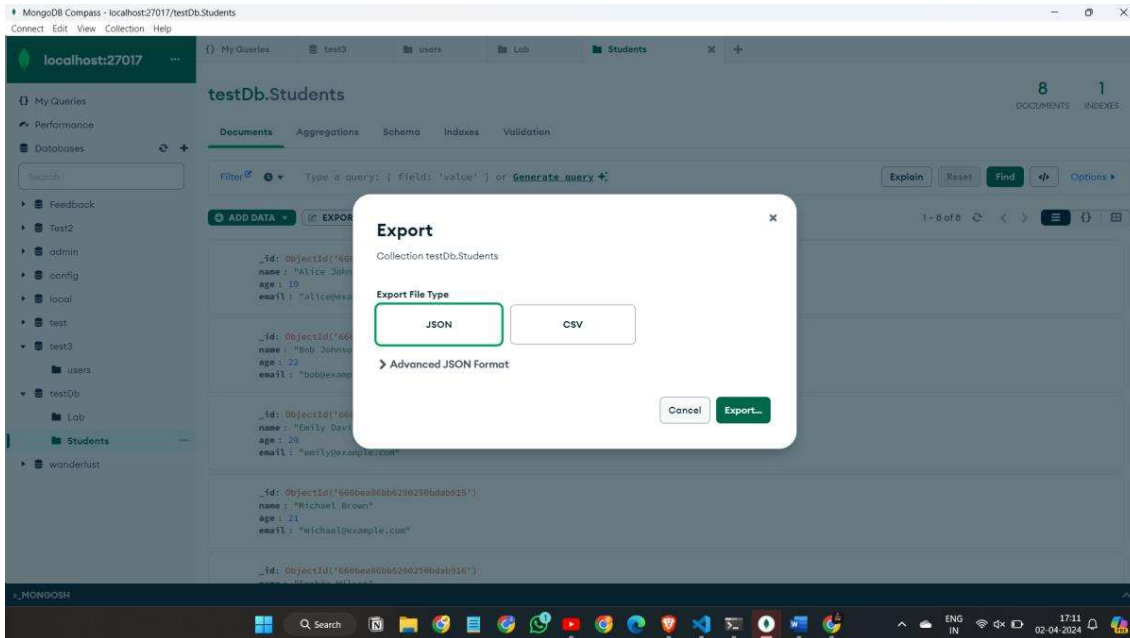


Q-10

Step-1



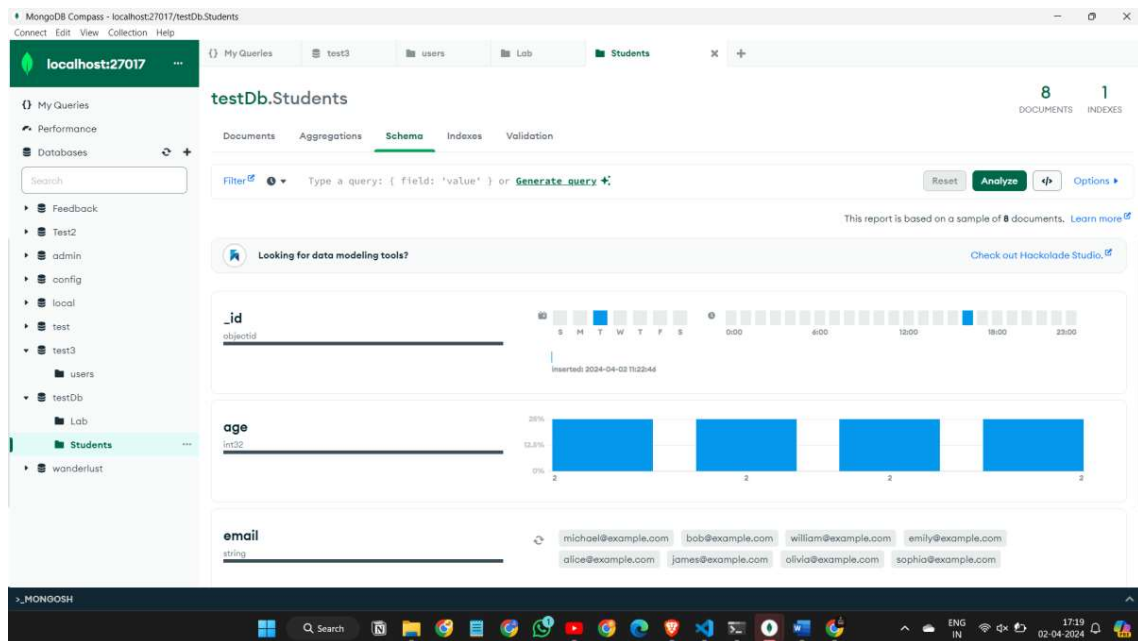
Step-2



Step-3

```
1 {
2   "_id": {
3     "$oid": "660bea86bb6290250bdab912"
4   },
5   "name": "Alice Johnson",
6   "age": 19,
7   "email": "alice@example.com"
8 },
9 {
10  "_id": {
11    "$oid": "660bea86bb6290250bdab913"
12  },
13  "name": "Bob Johnson",
14  "age": 22,
15  "email": "bob@example.com"
16 },
17 {
18  "_id": {
19    "$oid": "660bea86bb6290250bdab914"
20  },
21  "name": "Emily Davis",
22  "age": 20,
23  "email": "emily@example.com"
24 },
25 }
```

Q-13



Q-14

MongoDB Compass - localhost:27017/testDb.Students

Connect Edit View Collection Help

localhost:27017

My QueriesPerformanceDatabases

Search

FeedbackTest2adminconfiglocaltesttest3users:LabStudentswonderlust

My Queriestest3usersLabStudents

testDb.Students

81DOCUMENTSINDEXES

DocumentsAggregationsSchemaIndexesValidation

Validation ActionErrorValidation LevelStrict

```
1 {
2   $jsonSchema: {
3     bsonType: 'object',
4     required: [
5       'name'
6     ],
7     properties: {
8       name: {
9         bsonType: 'string',
10        minLength: 1,
11        description: 'must be a non-empty string'
12      }
13    }
14  }
15 }
```

Sample documents

Passed validation

```
{
  _id: ObjectId('660bea86bb6290250bdab915'),
  name: "Michael Brown",
  age: 21,
  email: "michael@example.com"
}
```

Failed validation

No Preview Documents

>_MONGOOSH

Windows taskbar with search, task view, and various application icons. System tray shows language (ENG IN), network, and time (17:23 02-04-2024).