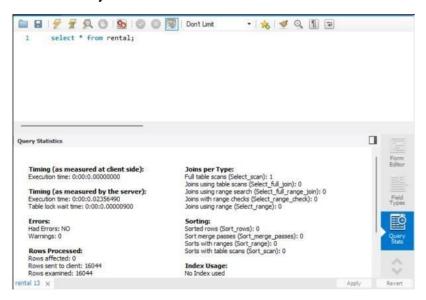
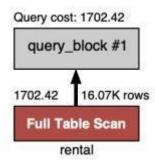
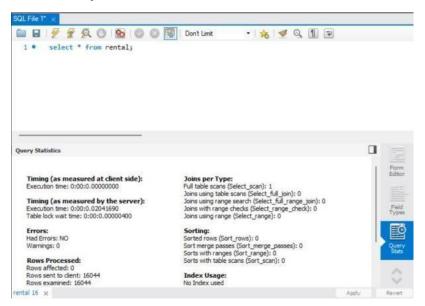
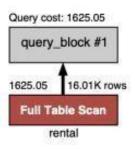
Select Query:



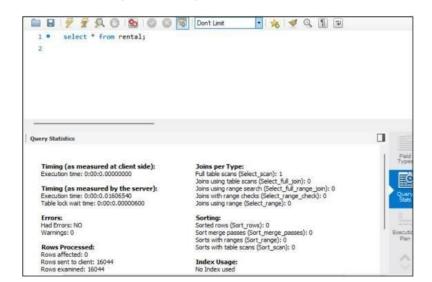


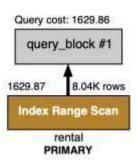
AFTER TABLE OPTIMIZATION:



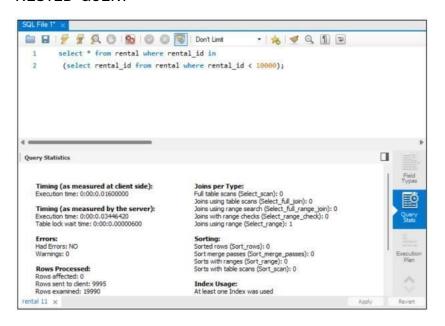


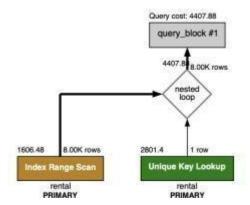
AFTER INDEX OPTIMIZATION:



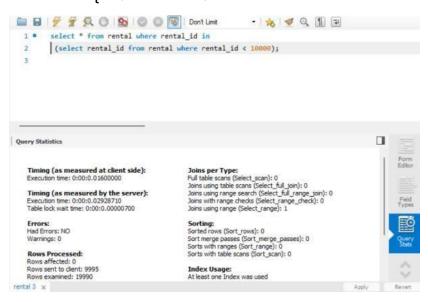


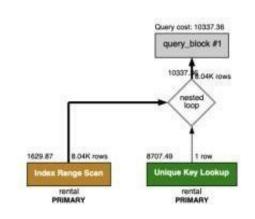
NESTED QUERY



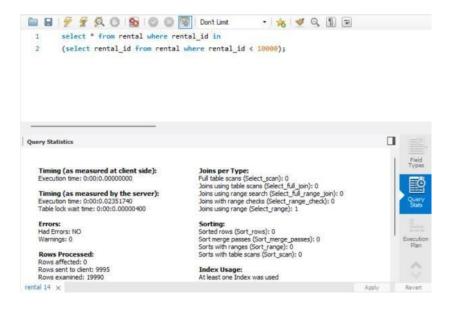


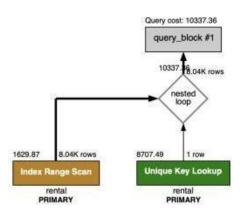
AFTER TABJE OPTIMIZATION:



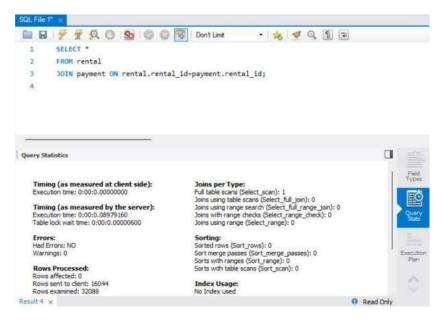


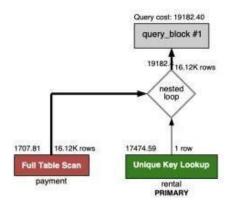
AFTER INDEX OPTIMIZATION:



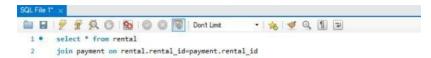


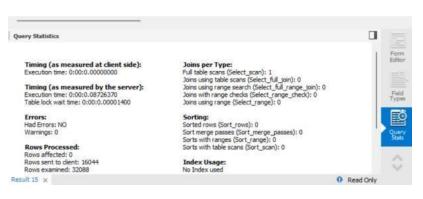
JOIN QUERY:

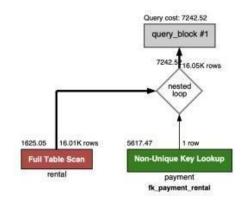




AFTER TABJE OPTIMIZATION:

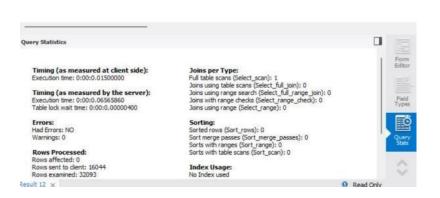


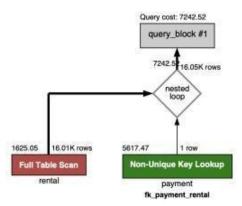




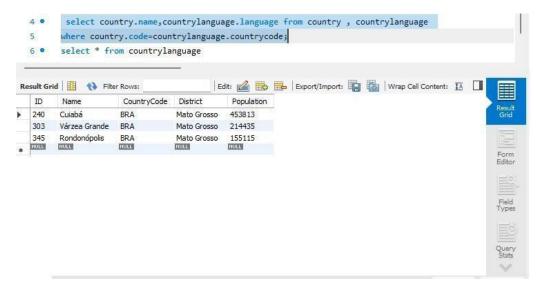
AFTER INDEX OPTIMIZATION:



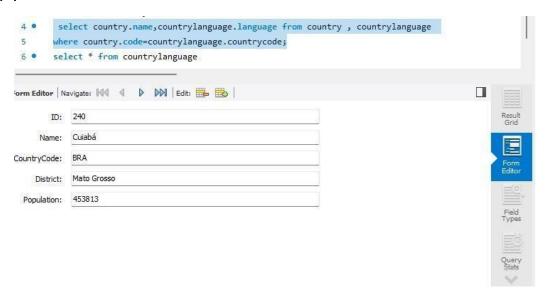




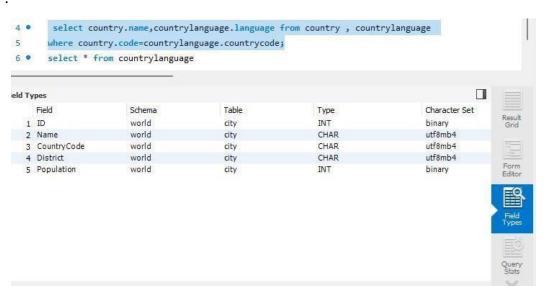
Result grid:



Form Editor:



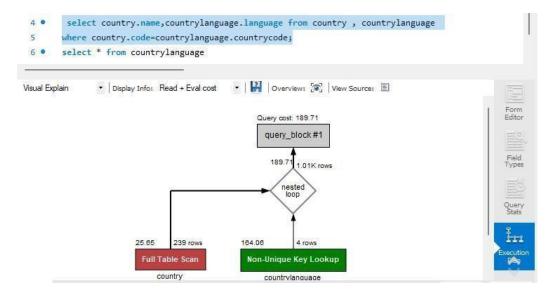
Field Types:



Query Stats:



Excution Plan:



B-Tree:

Code -

Output:

```
(D:\SEM-5\ADBMS\EXPERIMENTS\adbmsenv) D:\SEM-5\ADBMS\EXPERIMENTS>python bTree.py
Insertion time : 56.872 milliseconds
enter key : 19101
38202
Search time : 15.343 milliseconds
```

B+ Tree:

Code:

```
from bplustree import BPlusTree
import time

tree = BPlusTree('D:/Data.db', order=50)

for i in range(1000):
    data = (2*i).to_bytes(10, 'big')
    tree[i] = data

data = int(input("Enter key: "))

start_time = time.time()
byte_data = tree.get(data)
end_time = time.time()

int_data = int.from_bytes(byte_data, 'big')
print("Value: ", int_data)
print("Time taken: ", (end_time-start_time)*1000, " ms")
```

Output:

```
(D:\SEM-5\ADBMS\EXPERIMENTS\adbmsenv) D:\SEM-5\ADBMS\EXPERIMENTS>python bPlusTree.py
['5']
Not found
Search time : 0.00786783530635653 ms
```

Code: use exp5; DROP TABLE IF EXISTS employees; CREATE TABLE employees (id INT NOT NULL PRIMARY KEY, fname VARCHAR(30), Iname VARCHAR(30), hired DATE NOT NULL DEFAULT '1970-01-01', separated DATE NOT NULL DEFAULT '9999-12-31', job_code INT NOT NULL, store_id INT NOT NULL); INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (1, "Devansh", "Mehta", "1971-01-01", "970-01-01", 10, 50); INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (2, "Niraj", "Mestry", "1972-01-01", "999-01-01", 11, 25); INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (3, "Rachit", "Mody", "1969-01-01", "950-01-01", 9, 12); INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (4, "Deep", "Prajapati", "1968-01-01", "980-01-01", 50, 50);

INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (5, "Harsh", "Goh", "1973-01-01", "970-01-01", 7, 12);

INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (6, "Hiteshi", "Mehta", "1974-01-01", "970-01-01", 17, 40);

INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (7, "Prayag", "Mitaliya", "1975-01-01", "970-01-01", 5, 5);

INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (8, "Mit", "Shah", "1972-01-01", "970-01-01", 15, 4);

INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (9, "Shruti", "Sahu", "1970-01-01", "970-01-01", 10, 50);

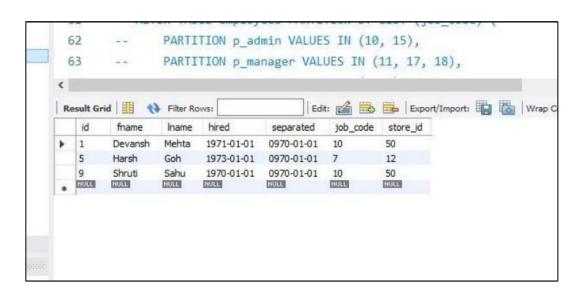
INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (10, "Harsh", "Shah", "1969-01-01", "970-01-01", 18, 48);

Key:

ALTER TABLE employees PARTITION BY KEY (id)

partitions 4;

SELECT * FROM employees partition (p0);



Range:

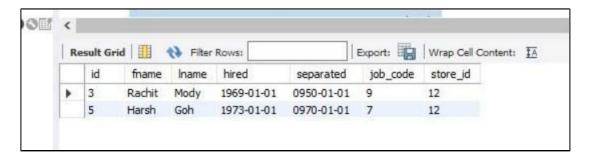
```
ALTER TABLE employees PARTITION BY RANGE (store_id) ( PARTITION p0 VALUES LESS THAN (6),

PARTITION p1 VALUES LESS THAN (11),

PARTITION p2 VALUES LESS THAN (16),

PARTITION p3 VALUES LESS THAN MAXVALUE
);
```

SELECT * FROM employees PARTITION (p2);



List:

```
ALTER TABLE employees PARTITION BY LIST (job_code) ( PARTITION p_admin VALUES IN (10, 15),

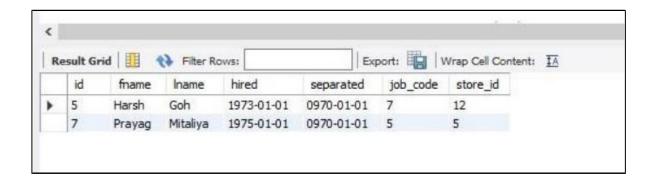
PARTITION p_manager VALUES IN (11, 17, 18),

PARTITION p_staff VALUES IN (5, 7),

PARTITION p_other VALUES IN (9, 50)

);
```

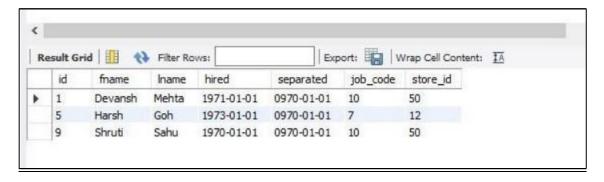
SELECT * FROM employees PARTITION (p_staff);



Hash:

ALTER TABLE employees PARTITION BY HASH (id) PARTITIONS 4;

SELECT * FROM employees partition (p1);



Client Code:

```
import socket
host = "127.0.0.1"
port = 8000
log = ''''
over = 0
msg =''''
while True:
   try:
       s = socket.socket()
       s.connect((host,port))
       data = s.recv(1024).decode().upper()
       print(f"COORDINATOR: {data}")
       if data == "ABORT":
           msg = "OK"
           print("TRANSACTION ABORTED!")
           print("END OF TRANSACTION \n final log is: ",log+" "+data)
           over =1
       elif data =="COMPLETE":
           msg="OK"
           print("TRANSACTION COMPLETED!")
           print("END OF TRANSACTION \n final log is: ",log+" "+data)
           data = input("SYSTEM STATUS: ").upper()
           s.send(data.encode())
           log += data+" "
       if over == 1:
           break
       print("END OF TRANSACTION \n final log is: ",log+" "+data)
       break
```

Server Code:

```
import socket
host = "127.0.0.1"
port = 8000
s = socket.socket()
s.bind((host,port))
s.listen(3)
print("SERVER IS RWN ING")
msg = "PREPARE"
log=msg
over = 0
while True:
   replies = []
   print(f"COORDINATOR: {msg.upper()}")
   for i in range(3):
       c,adrr = s.accept()
       c.send(msg.encode())
       data = c.recv(1024).decode()
       replies.append(data.upper())
```

```
print(f"Subordinator {i} {adrr} : {data.upper()}")

if over == 1:
    break

if "ABORT" in replies:
    msg = "ABORT"
    print(f"TRANSACTIQN [OG : {log} {msg}")
    over = 1

elif "SUCCESS" in replies:
    msg = "COMP[ETE"
    print(f"TRANSACTIQN [OG : {log} {msg}")
    over = 1

else:
    msg = "COMMIT"
    log += " "+msg
```

Output

<u>Case 1</u>:

<u>Case 2</u>:

```
(D:\SEM-5\ADBMS\EXPERIMENTS\adbmsenv) D:\SEM-5\ADBMS\EXPERIMENTS>python client.py

(O:\SEM-5\ADBMS\EXPERIMENTS\adbmsenv) D:\SEM-5\ADBMS\EXPERIMENTS>python client.py

(O:\SEM-5\ADBMS\EXPERIMENTS\adbmsenv) D:\SEM-5\ADBMS\EXPERIMENTS>python client.py

Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/
PSWindows

CORDINATOR: PREPARE
SYSTEM STATUS: SUCCESS
COORDINATOR: PREPARE
SYSTEM STATUS: ABORT
COORDINATOR: PREPARE
SYSTEM STATUS: ABORT
TRANSACTION ABORTED!
END OF TRANSACTION ABORTED!
SUDOrdinator 0 (127.0.0.1', 52880): SUCCESS
Subordinator 1 (127.0.0.1', 52882): SUCCESS
Subordinator 1 (127.0.0.1', 52883): ABORT
TRANSACTION LOG: PREPARE ABORT
COORDINATOR: ABORT
Subordinator 0 (127.0.0.1', 52884):
```

Code:

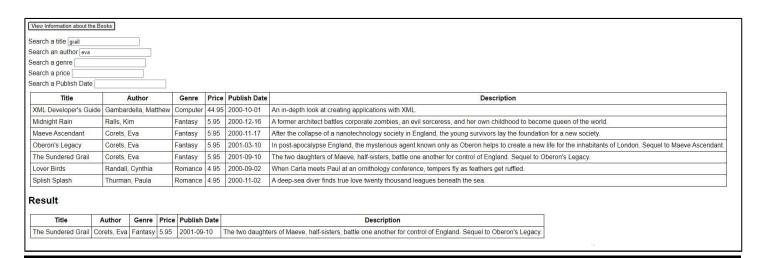
```
<!DOCTYPE html>
<html>
<head>
 <style>
   table, th, td {
    border: 1px solid black;
    border-collapse; collapse;
     margin: 5px;
   }
   th, td
    { padding:
     5px;
   input {
     margin-bottom: 5px;
 </style>
/head>
<body>
 <button type="button" onclick="loadXM[Doc()">View Information about the Books</button>
 <br>><br>>
 <div>
   <label>Search a title</label>
   <input type="text" name="title" onchange="performQuery(event)" />
 </div>
 <div>
   <label>Search an author
   <input type="text" name="author" onchange="performQuery(event)" />
 </div>
 <div>
   <label>Search a genre/label>
   <input type="text" name="genre" onchange="performQuery(event)" />
 </div>
 <div>
   <label>Search a price</label>
   <input type="text" name="price" onchange="performQuery(event)" />
 </div>
 <div>
   <label>Search a Publish Date</label>
   <input type="text" name="publish_date" onchange="performQuery(event)" />
 </div>
 <h2>Result</h2>
 <script>
   var arrayObj = [];
   function loadXMIDoc() {
     var xmlhttp = new XMlHttpRequest();
     xmlhttp.onreadystatechange = function () {
      if (this.readyState == 4 fifi this.status == 200)
        { myFunction(this);
      }
     };
     xmlhttp.open("GET", "books.xml", true);
```

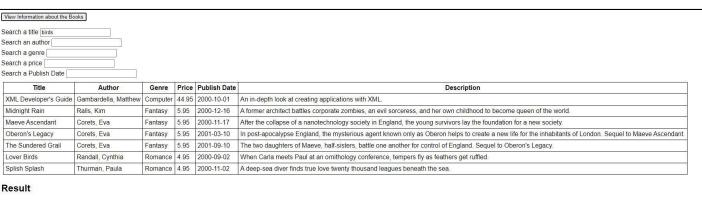
```
function myFunction(xml)
    { var i;
    var xmlDoc = xml.responseXM[;
    var table = "TitleAuthorGenrePricePublish
DateDescription";
    var x = xmlDoc.getElementsByTag ame("book");
    for (i = 0; i < x.length; i++)
      { table += "" +
       x[i].getElementsByTag ame("title")[0].child odes[0].nodeValue + "" +
       x[i].getElementsByTall ame("author")[0].chill odes[0].nodeValue + "+ "
       x[i].getElementsByTad ame("price")[0].childNodes[0].nodeValue + "" +
       x[i].getElementsByTadlame("publish_date")[M].child odes[0].nodeValue + "" +
       x[i].getElementsByTa\ ame("description")[0].child des[0].nodeValue + "
      arrayObj.push({
       title: x[i]. \\ \underline{getElementsByTag\ ame("title")[0].child\ odes[0].nodeValue,}
       author: x[i].getElementsByTall ame("author")[0].chill odes[0].nodeValue,
       genre: x[i].getElementsByTag Name("genre")[0].child odes[0].nodeValue,
       price: x[i].getElementsByTad ame("price")[0].childNodes[0].nodeValue,
       publish_date: x[i].getElementsByTag ame("publish_date")[0].child odes[0].nodeValue,
       description: x[i].getElementsByTagName("description")[0].child object[0].nodeValue
      });
    document.getElementById("data-table").innerHTM[ = table;
    console.log(arrayObj);
  function performQuery(event) {
    var res = arrayObj.find((obj) =>
      obj[event.target.name].tolowerCase().includes(event.target.value.tolowerCase()));
    console.log(res);
    if (res) {
      var queryTable = "TitleAuthorGenrePricePublish
DateDescription";
      queryTable += "" + res.title +
       "" + res.author +
       "" + res.genre + "" + res.price + "" + res.publish_date + "" +
res.description + "";
      document.getElementById("query-table").innerHTM[ = queryTable;
    } else {
      alert(" o result found!");
           N
    }
  }
 </script>
</body>
</html>
```

XML Used:

```
<?xml version="1.0"?>
<catalog>
   <book id="bk101">
       <author>Gambardella, Matthew</author>
       <title>XMl Developer's Guide</title>
       <genre>Computer</genre>
       <price>44.95</price>
       <publish_date>2000-10-01
       <description>An in-depth look at creating applications with XM[.</description>
   </book>
   <book id="bk102">
       <author>Ralls, Kim</author>
       <title>Midnight Rain</title>
       <genre>Fantasy</genre>
       <price>5.95</price>
       <publish_date>2000-12-16
       <description>A former architect battles corporate zombies, an evil sorceress, and her own childhood to
become queen of the world.</description>
   </book>
   <book id="bk103">
       <author>Corets, Eva</author>
       <title>Maeve Ascendant</title>
       <genre>Fantasy
       <price>5.95</price>
       <publish_date>2000-11-17
       <description>After the collapse of a nanotechnology society in England, the young survivors lay the
foundation for a new society.</description>
   </book>
   <book id="bk104">
       <author>Corets, Eva</author>
       <title>Oberon's legacy</title>
       <genre>Fantasy</genre>
       <price>5.95</price>
       <publish_date>2001-03-10
       <description>In post-apocalypse England, the mysterious agent known only as Oberon helps to create a new
life for the inhabitants of London. Sequel to Maeve Ascendant.</description>
   </book>
   <book id="bk105">
       <author>Corets, Eva</author>
       <title>The Sundered Grail</title>
       <genre>Fantasy</genre>
       <price>5.95</price>
       <publish_date>2001-09-10</publish_date>
       <description>The two daughters of Maeve, half-sisters, battle one another for control of England. Sequel to
Oberon's [egacy.</description>
   </book>
   <book id="bk106">
       <author>Randall, Cynthia</author>
       <title>lover Birds</title>
       <genre>Romance</genre>
       <price>4.95</price>
       <publish_date>2000-09-02</publish_date>
```

Output:





Title	Author	Genre	Price	Publish Date	Description
Lover Birds	Randall, Cynthia	Romance	4.95	2000-09-02	When Carla meets Paul at an ornithology conference, tempers fly as feathers get ruffled.

Code:

Implementing Queries- Selecting a DB:

```
test> use reddit;
switched to db reddit
reddit>
```

Showing all Databases:

```
reddit> show dbs;
admin 100.00 KiB
config 60.00 KiB
local 72.00 KiB
reddit 8.00 KiB
reddit>
```

Dropping a Database :

```
reddit> use twitter;
switched to db twitter
twitter> db.dropDatabase();
{ ok: 1, dropped: 'twitter' }
twitter> |
```

Creating a collection:

```
reddit> db.createCollection("posts");
{ ok: 1 }
reddit>
```

Dropping a collection:

```
reddit> db.comments.drop();
true
reddit> |
```

Inserting multiple documents:

```
reddit> db.posts.insertMany([{ title: "Funny Meme", image: "https://wikipedia.com/troll_face", votes: 123, posted_by: "l
ca_tejas" }, { title: "Damn: reddit", text: "Your reddit is damn: reddit", votes: 12, posted_by: "meetp90" }]);
{
   acknowledged: true,
   insertedIds: {
     '0': ObjectId("6389fde4880a8e67b5db4a3b"),
     '1': ObjectId("6389fde4880a8e67b5db4a3c")
   }
}
reddit> |
```

Updating documents:

```
reddit> db.posts.update({ posted_by: "meetp90" }, { $set: { title: "How to get stuff back!" } });
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
 upsertedCount: 0
reddit> db.posts.find();
Γ
    _id: ObjectId("6389fde4880a8e67b5db4a3b"),
    title: 'Funny Meme',
image: 'https://wikipedia.com/troll_face',
    votes: 123,
posted_by: 'lca_tejas'
     _id: ObjectId("6389fde4880a8e67b5db4a3c"),
    title: 'How to get stuff back!',
text: 'Your reddit is damn: reddit',
    votes: 12,
    posted_by: 'meetp90'
```

Querying the documents:

```
reddit> db.posts.find({ votes: { $gt: 1000 }, image: { $exists: true } });
[
{
    _id: ObjectId("638a0009880a8e67b5db4a3f"),
    title: 'Soggy cat',
    image: 'https://preview.redd.it/cxjsjx27g7j81.jpg?auto=webp&s=d09b1a5e785562455e3661a186087e398c0546d0',
    votes: 33213,
    posted_by: 'lca_tejas'
}

reddit> db.posts.find({ votes: { $gt: 1000 }, text: { $exists: true }, posted_by: 'meetp90' });
[
{
    _id: ObjectId("6389ff86880a8e67b5db4a3e"),
    title: 'Emojis bad',
    text: 'Emojis bad',
    text: 'Emojis bad, please laugh',
    votes: 1212,
    posted_by: 'meetp90'
},
{
    _id: ObjectId("638a0009880a8e67b5db4a40"),
    title: 'We did it',
    text: 'We did it reddit! We broke the stock markets around the world and dilluted all the world currency!',
    votes: 12134,
    posted_by: 'meetp90'
}
}
```

Deleting documents:

```
reddit> db.posts.remove({ votes: { $lt: 100 } });
DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
{ acknowledged: true, deletedCount: 1 }
```

Importing ison:

Exporting as json:

Data:

start date	start time	distance	mode	confidence	Places
				•	
92-97-2022	B)	18716	IN_PASSENGER_VEHICLE	MEDIUM	
36-07-2022	03:23:42	1669	MOTORCYCLING	LOW	
96-07-2022	03:35:46	11483	IN_TRAIN	LON	
36-97-2022	03:58:13	1069	MOTORCYCLING	MEDIUM	
88-97-2022	03:11:39	461	MOTORCYCLING	LOW	1
38-07-2022	03:26:15	1099	IN_PASSENGER_VEHICLE	LOW	
88-07-2022	03:42:42	7548	IN_TRAIN	MEDIUM	Anhad Misal
11-07-2022	03:48:22	1609	IN BUS	MEDIUM	Kandivali Bus Station (W)
11-07-2022	84:11:17	9363	IN_TRAIN	MEDIUM	Agarkar Chowk
11-07-2022	04:39:15	2125	IN_SUBWAY	LOW	SAMMOHI BY MOKSHA & HIRAL
11-07-2022	04:48:18	896	IN_PASSENGER_VEHICLE	LOW	Trumpet Sky Lounge
11-07-2022	12:22:26	2972	IN_PASSENGER_VEHICLE	LOW	McDonald's
11-07-2022	12:48:32	9467	IN_TRAIN	MEDIUM	Kandivali Bus Depot
11-07-2022	13:10:00	2203	IN_PASSENGER_VEHICLE	LON	State Bank of India
13-07-2022	03:19:59	985	WALKING	LOW	
13-07-2022	03:48:02	1896	IN_BUS	LOW	Kandivali Railway Station (W)
13-07-2022	84:64:12	9348	IN_TRAIN	MEDIUM	Agarkar Chowk / Pinky Cinema
13-07-2022	04:33:49	3270	IN_PASSENGER_VEHICLE	LOW	Lotus Business Park
13-07-2022	13:06:26	5297	IN_BUS	LOW	Villa Decor - Premium Bed, Bath & Mattresses Store
13-07-2022	13:44:17	11855	IN_TRAIN	LOW	Kandivali Station (W)
13-07-2022	14:15:27	1969	IN PASSENGER VEHICLE	MEDIUM	State Bank of India
14-07-2022	03:54:54	8949	IN_BUS	HIGH	
14-07-2022	84:39:02	578	WALKING	MEDIUM	UK Realty
14-07-2022	14:12:01	6005	IN_BUS	LOW	Yoko Sizzlers
14-07-2022	14:58:50	4087	UNKNOWN_ACTIVITY_TYPE	LOW	Xth Central Mall
15-07-2022	03:48:49	8500	IN PASSENGER VEHICLE	LOW	
15-07-2022	84:41:11	9185	IN_BUS	LON	RikĂ? - Terrace Bar & Grill
15-07-2022	14:15:09	5691	IN_BUS	MEDIUM	D Mart
15-07-2022	15:08:26	4933	IN_BUS	MEDIUM	La Pino'z Pizza Kandivali
16-07-2022	03:44:35	9838	IN_BUS	MEDIUM	Laxmi Industrial Colony
16-07-2022	13:08:07	2965	MOTORCYCLING	LOW	Andheri Station (W)
16-07-2022	13:32:44	9292	IN_TRAIN	MEDIUM	Kandivali West
16-07-2022	13:53:02	2074	IN PASSENGER VEHICLE	LOW	La Pino'z Pizza Kandivali
17-07-2022	08:38:08	880	MOTORCYCLING	LOW	Malad Industrial Estate
17-97-2022	10:23:08	1492	IN_PASSENGER_VEHICLE	LOW	Aadhar Center
17-07-2022	18:57:46	1294	MOTORCYCLING	MEDIUM	La Pino'z Pizza Kandivali
17-07-2022	11:38:53	5829	MOTORCYCLING	LOW	State Bank Of India ATM
18-07-2022	03:51:31	1292	IN_BUS	LOW	11 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (
18-07-2022	83:57:47	9400	IN BUS	LOW	Anhad Misal

Queries:

- a. select * from 2022_july where start_time < '04:00:00';
- b. select * from 2022_july where distance > 10000;
- c. select * from 2022_july where Places = 'Doolally Taproom Andheri';

Spatial :

start_date	start_time	distance	mode	confidence	Places
02-07-2022	i	18716	IN_PASSENGER_VEHICLE	MEDIUM	
06-07-2022	03:35:46	11483	IN_TRAIN	LOW	i
13-07-2022	13:44:17	11855	IN_TRAIN	LOW	Kandivali Station (W)
19-07-2022	03:54:30	10085	IN_BUS	MEDIUM	Lotus Business Park
21-07-2022	18:59:35	41236	UNKNOWN_ACTIVITY_TYPE	LOW	Jay's Dosa & Paratha Center
23-07-2022	03:45:05	11590	IN_PASSENGER_VEHICLE	LOW	
24-07-2022	06:56:09	10674	MOTORCYCLING	LOW	Axis Bank ATM
25-07-2022	03:34:52	10629	IN_BUS	MEDIUM	Doolally Taproom - Andheri
26-07-2022	03:52:48	10072	IN BUS	MEDIUM	Doolally Taproom - Andheri

The second second				confidence	
25-07-2022		10629	IN BUS	MEDIUM	Doolally Taproom - Andheri
26-07-2022	03:52:48	10072	IN BUS	MEDIUM	Doolally Taproom - Andheri
27-07-2022	03:48:55	9483	IN BUS	LOW	Doolally Taproom - Andheri

Temporal:

start_date	start_time	distance	mode	confidence	Places
02-07-2022	l	18716	IN_PASSENGER_VEHICLE	MEDIUM	
06-07-2022	03:23:42	1669	MOTORCYCLING	LOW	l .
06-07-2022	03:35:46	11483	IN TRAIN	LOW	1
06-07-2022	03:58:13	1069	MOTORCYCLING	MEDIUM	İ
08-07-2022	03:11:39	461	MOTORCYCLING	LOW	ĺ
08-07-2022	03:26:15	1099	IN_PASSENGER_VEHICLE	LOW	1
08-07-2022	03:42:42	7548	IN_TRAIN	MEDIUM	Anhad Misal
11-07-2022	03:48:22	1609	IN_BUS	MEDIUM	Kandivali Bus Station (W)
13-07-2022	03:19:59	905	WALKING	LOW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
13-07-2022	03:48:02	1896	IN_BUS	LOW	Kandivali Railway Station (W)
14-07-2022	03:54:54	8949	IN_BUS	HIGH	188
15-07-2022	03:48:49	8500	IN_PASSENGER_VEHICLE	LOW	1
16-07-2022	03:44:35	9838	IN_BUS	MEDIUM	Laxmi Industrial Colony
18-07-2022	03:51:31	1292	IN_BUS	LOW	
18-07-2022	03:57:47	9400	IN_BUS	LOW	Anhad Misal
19-07-2022	03:54:30	10085	IN_BUS	MEDIUM	Lotus Business Park
20-07-2022	03:32:29	1721	IN_BUS	MEDIUM	Bajaj Municipal School
20-07-2022	03:47:40	9487	IN_TRAIN	MEDIUM	Andheri Police Station
21-07-2022	03:46:02	8698	UNKNOWN_ACTIVITY_TYPE	LOW	Sun-n-Sand Hotel
23-07-2022	03:45:05	11590	IN_PASSENGER_VEHICLE	LOW	
25-07-2022	03:34:52	10629	IN_BUS	MEDIUM	Doolally Taproom - Andheri
26-07-2022	03:52:48	10072	IN_BUS	MEDIUM	Doolally Taproom - Andheri
	03:48:55	9483	IN_BUS	FOM	Doolally Taproom - Andheri
28-07-2022		9599	IN_BUS	MEDIUM	RikÄ? - Terrace Bar & Grill
29-07-2022		1948	MOTORCYCLING	LOW	Kandivali Bus Station (W)
29-07-2022	03:47:34	9579	IN_TRAIN	MEDIUM	

