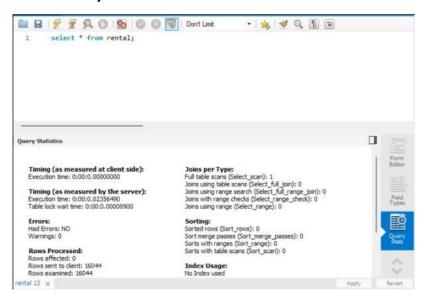
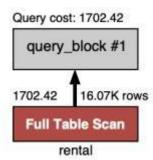
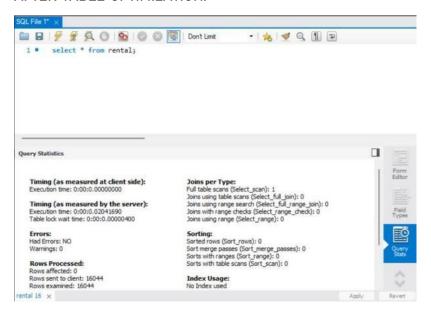
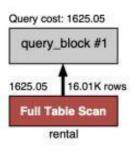
Select Query:



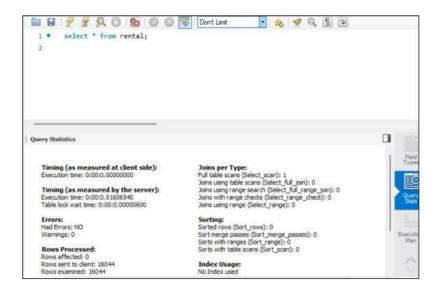


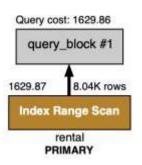
AFTER TABLE OPTIMIZATION:



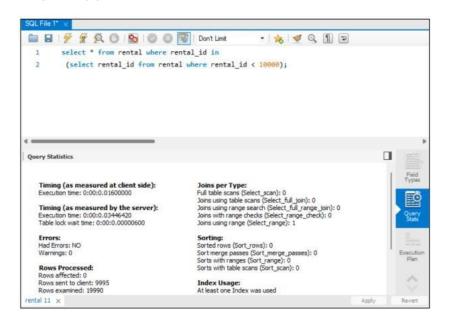


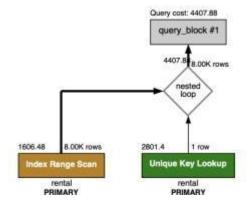
AFTER INDEX OPTIMIZATION:



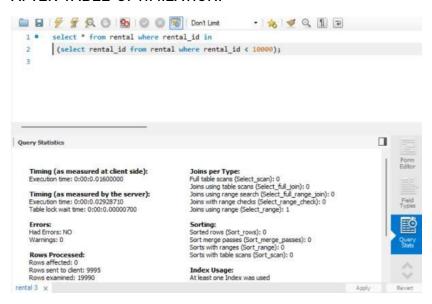


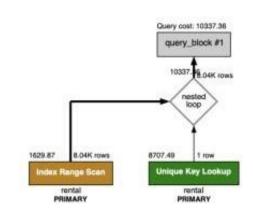
NESTED QUERY



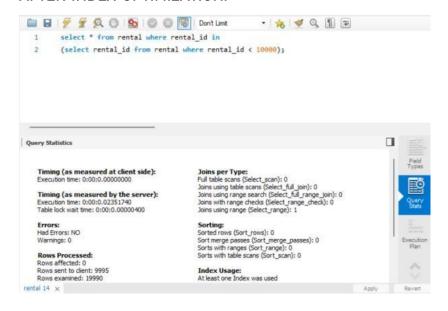


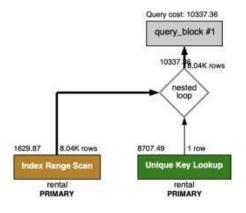
AFTER TABLE OPTIMIZATION:



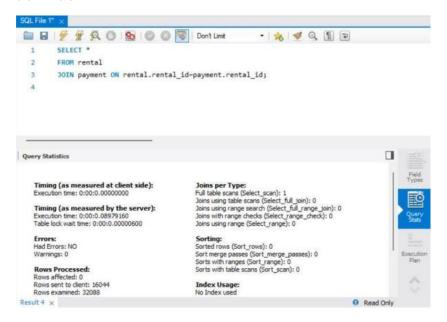


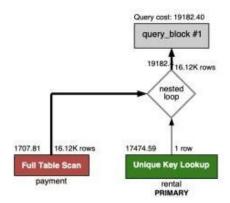
AFTER INDEX OPTIMIZATION:



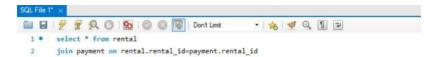


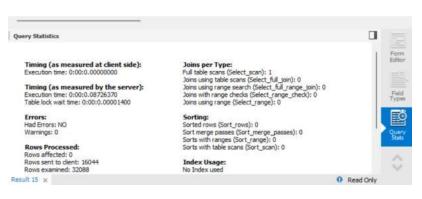
JOIN QUERY:

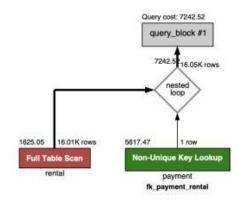




AFTER TABLE OPTIMIZATION:

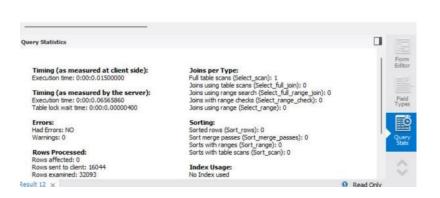


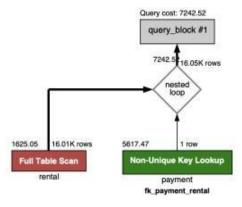




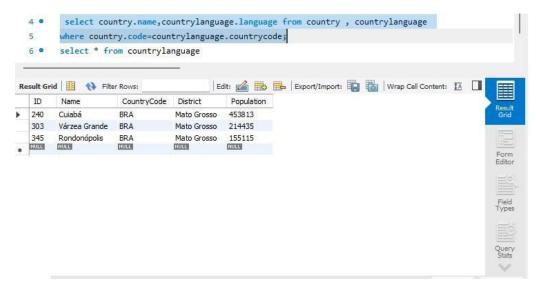
AFTER INDEX OPTIMIZATION:



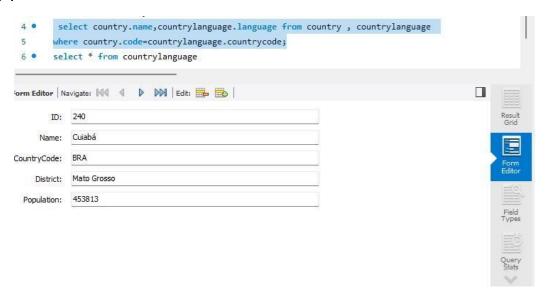




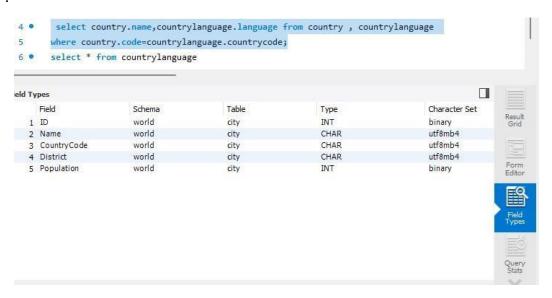
Result grid:



Form Editor:



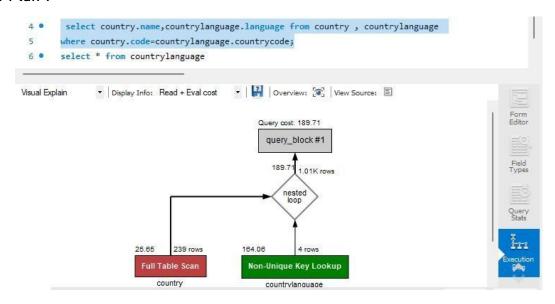
Field Types:



Query Stats:



Excution Plan:



Code:

```
-- nested

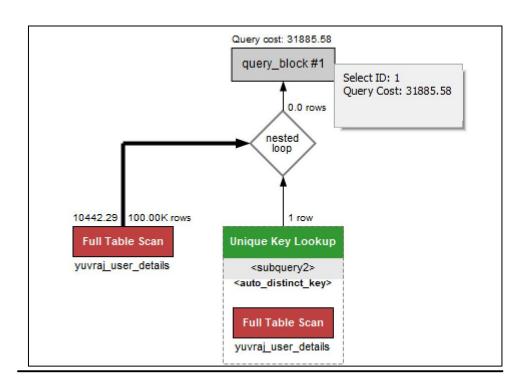
select user_id,first_name,last_name

from yuvraj_user_details

where last_name in (

select last_name from yuvraj_user_details where password = "e6a33eee180b07e563d74fee8c2c66b8");
```

Output:



B-Tree:

Code -

```
import time
from BTrees.IIBTree import IIBTree

t = IIBTree()
insertion_start_time = time.time()
for i in range(1000):
    t.update({i: 2*i})
insertion_end_time = time.time()

print(f"Insertion time: {round((insertion_end_time-insertion_start_time)*1000,3)} milliseconds")
key = int(input("enter key: "))
search_start_time = time.time()
if t.has_key(key):
    print(t[key])
search_end_time = time.time()
print(f"Search time: {round((insertion_end_time-insertion_start_time)*1000,3)} milliseconds")
```

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
```

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);

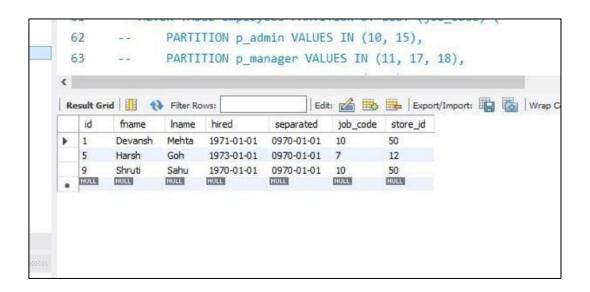
INSERT INTO employees (id, fname, lname, hired, separated, job_code, store_id) VALUES (10, "Harsh", "Shah", "1969-01-01", "970-01-01", 18, 48);

Key:

ALTER TABLE employees PARTITION BY KEY (id)

partitions 4;

SELECT * FROM employees partition (p0);



Range:

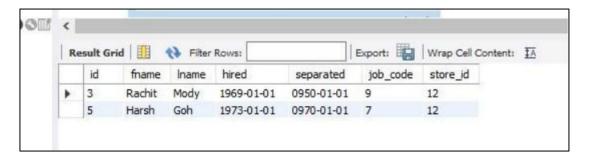
```
ALTER TABLE employees PARTITION BY RANGE (store_id) ( PARTITION p0 VALUES LESS THAN (6),

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),

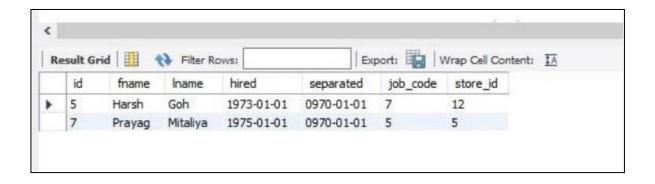
PARTITION p_manager VALUES IN (11, 17, 18),

PARTITION p_staff VALUES IN (5, 7),

PARTITION p_other VALUES IN (9, 50)

);
```

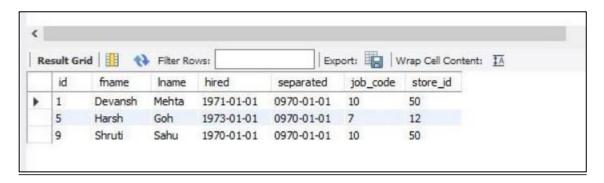
SELECT * FROM employees PARTITION (p_staff);



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:
       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 RUNNING")
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"TRANSACTION LOG : {log} {msg}")
    over = 1
elif "SUCCESS" in replies:
    msg = "COMPLETE"
    print(f"TRANSACTION LOG : {log} {msg}")
    over = 1
else:
    msg = "COMMIT"
    log += " "+msg
```

<u>Output</u>

Case 1:

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

COORDINATOR: PREPARE
SYSTEM STATUS: SUCCESS
COORDINATOR: PREPARE
SYSTEM STATUS: SUCCESS
COORDINATOR: PREPARE
SYSTEM STATUS: SUCCESS
COORDINATOR: PREPARE
SYSTEM STATUS:
COORDINATOR: PREPARE
SYSTEM STATUS:
COORDINATOR: PREPARE
SYSTEM STATUS:
COORDINATOR: COMPLETE
TRANSACTION COMPLETED:
END OF TRANSACTION
final log is: SUCCESS
COMPLETE

(D:\SEM-5\ADBMS\EXPERIMENTS\adbmsenv) D:\SEM-5\ADBMS\EXPERIMENTS>
```

Case 2:

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

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

COORDINATOR: PREPARE
SYSTEM STATUS: SUCCESS
COORDINATOR: PREPARE
SYSTEM STATUS: ABORT
COORDINATOR: PREPARE
SYSTEM STATUS: ABORT
COORDINATOR: PREPARE
SUCCESS
COORDINATOR: PREPARE
SUDOrdinator 0 (127.0.0.1', 52880) : SUCCESS
SUDOrdinator 1 (127.0.0.1', 52882) : SUCCESS
SUDOrdinator 1 (127.0.0.1', 52883) : ABORT
TRANSACTION LOG: PREPARE ABORT
COORDINATOR: ABORT
SUDOrdinator 0 (127.0.0.1', 52884) :
```

Code:

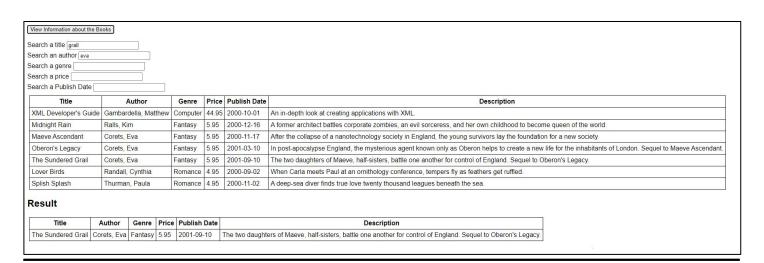
```
<!DOCTYPE html>
<html>
<head>
 <style>
   table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
    margin: 5px;
   th, td {
    padding: 5px;
   input {
    margin-bottom: 5px;
 </style>
</head>
<body>
 <button type="button" onclick="loadXMLDoc()">View Information about the Books</button>
 <br><br>>
 <div>
   <label>Search a title</label>
   <input type="text" name="title" onchange="performQuery(event)" />
 </div>
 <div>
   <label>Search an author</label>
   <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)" />
 <h2>Result</h2>
 <script>
   var array0bj = [];
   function loadXMLDoc() {
     var xmlhttp = new XMLHttpRequest();
     xmlhttp.onreadystatechange = function () {
      if (this.readyState == 4 && this.status == 200) {
        myFunction(this);
      }
     };
     xmlhttp.open("GET", "books.xml", true);
```

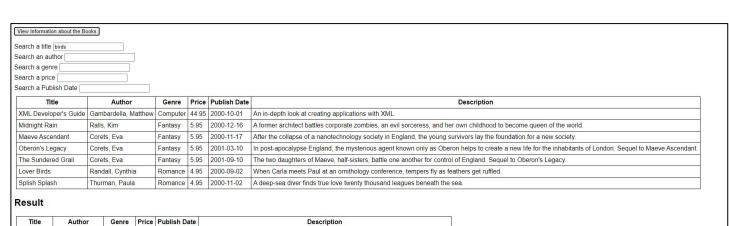
```
function myFunction(xml) {
    var i;
    var xmlDoc = xml.responseXML;
    DateDescription";
    var x = xmlDoc.getElementsByTagName("book");
    for (i = 0; i < x.length; i++) {</pre>
     table += "" +
       x[i].getElementsByTagName("title")[0].childNodes[0].nodeValue + "+ "
       x[i].getElementsByTagName("author")[0].childNodes[0].nodeValue + "+ "
       x[i].getElementsByTagName("price")[0].childNodes[0].nodeValue + "+ "
       x[i].getElementsByTagName("publish_date")[0].childNodes[0].nodeValue + "" + "
       x[i].getElementsByTagName("description")[0].childNodes[0].nodeValue + "";
     arrayObj.push({
       title: x[i].getElementsByTagName("title")[0].childNodes[0].nodeValue,
       author: x[i].getElementsByTagName("author")[0].childNodes[0].nodeValue,
       genre: x[i].getElementsByTagName("genre")[0].childNodes[0].nodeValue,
       price: x[i].getElementsByTagName("price")[0].childNodes[0].nodeValue,
       publish\_date: x[i].getElementsByTagName("publish\_date")[0].childNodes[0].nodeValue, \\
       {\tt description:} \ x[i]. \\ {\tt getElementsByTagName} ("{\tt description"})[0]. \\ {\tt childNodes}[0]. \\ {\tt nodeValue} \\
     });
    document.getElementById("data-table").innerHTML = table;
    console.log(array0bj);
  function performQuery(event) {
    var res = arrayObj.find((obj) =>
     obj[event.target.name].toLowerCase().includes(event.target.value.toLowerCase()));
    console.log(res);
    if (res) {
     DateDescription";
     queryTable += "" + res.title +
       "" + res.author +
       "" + res.genre + "" + res.price + "" + res.publish_date + "=
res.description + "";
     document.getElementById("query-table").innerHTML = queryTable;
    } else {
     alert("No result found!");
 </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
       <price>44.95</price>
       <publish_date>2000-10-01
       <description>An in-depth look at creating applications with XML.</description>
   </book>
   <book id="bk102">
       <author>Ralls, Kim</author>
       <title>Midnight Rain</title>
       <genre>Fantasy
       <price>5.95</price>
       <publish_date>2000-12-16</publish_date>
       <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</publish_date>
       <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
       <price>5.95</price>
       <publish_date>2001-03-10</publish_date>
       <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 Legacy.</description>
   </book>
   <book id="bk106">
       <author>Randall, Cynthia</author>
       <title>Lover Birds</title>
       <genre>Romance
       <price>4.95</price>
       <publish_date>2000-09-02/publish_date>
```

Output:





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:

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 ison:

Data:

tart_date	start_time	distance	node	confidence	Places
2-07-2022		18716	IN PASSENGER VEHICLE	MEDIUM	
6-07-2022	03:23:42	1669	MOTORCYCLING	LOW	
5-07-2022	03:35:46	11483	IN TRAIN	LOW	
5-07-2022	03:58:13	1069	MOTORCYCLING	MEDIUM	
8-07-2022	03:11:39	461	MOTORCYCLING	LOW	
8-07-2022	03:26:15	1099	IN PASSENGER VEHICLE	LOW	
8-07-2022	03:42:42	7548	IN TRAIN	MEDIUM	Anhad Misal
1-07-2022	83:48:22	1609	IN BUS	MEDIUM	Kandivali Bus Station (W)
1-07-2022	84:11:17	9363	IN TRAIN	MEDIUM	Agarkar Chowk
1-07-2022	04:39:15	2125	IN SUBWAY	LOW	SAMMOHI BY MOKSHA & HIRAL
1-07-2022	04:48:18	896	IN PASSENGER VEHICLE	LOW	Trumpet Sky Lounge
1-07-2022	12:22:26	2972	IN PASSENGER VEHICLE	LOW	McDonald's
1-07-2022	12:48:32	9467	IN TRAIN	MEDIUM	Kandivali Bus Depot
1-07-2022	13:10:00	2203	IN PASSENGER VEHICLE	LOW	State Bank of India
3-07-2022	03:19:59	985	WALKING	LOW	
3-07-2022	03:48:02	1896	IN BUS	LOW	Kandivali Railway Station (W)
3-07-2022	84:64:12	9348	IN TRAIN	MEDIUM	Agarkar Chowk / Pinky Cinema
3-07-2022	04:33:49	3270	IN PASSENGER VEHICLE	LOW	Lotus Business Park
3-07-2022	13:06:26	5297	IN BUS	LOW	Villa Decor - Premium Bed, Bath & Mattresses Store
3-07-2022	13:44:17	11855	IN TRAIN	LOW	Kandivali Station (W)
3-07-2022	14:15:27	1969	IN PASSENGER VEHICLE	MEDIUM	State Bank of India
4-07-2022	03:54:54	8949	IN BUS	HIGH	
4-07-2022	84:39:02	578	WALKING	MEDIUM	UK Realty
4-07-2022	14:12:01	6005	IN_BUS	LOW	Yoko Sizzlers
4-07-2022	14:58:50	4087	UNKNOWN ACTIVITY TYPE	LOW	Xth Central Mall
5-07-2022	03:48:49	8500	IN PASSENGER VEHICLE	LOW	
5-07-2022	84:41:11	9185	IN_BUS	LON	RikĂ? - Terrace Bar & Grill
5-07-2022	14:15:09	5691	IN BUS	MEDIUM	D Mart
5-07-2022	15:08:26	4933	IN_BUS	MEDIUM	La Pino'z Pizza Kandivali
5-07-2022	03:44:35	9838	IN_BUS	MEDIUM	Laxmi Industrial Colony
5-07-2022	13:08:07	2965	MOTORCYCLING	LOW	Andheri Station (W)
5-07-2022	13:32:44	9292	IN_TRAIN	MEDIUM	Kandivali West
6-07-2022	13:53:02	2074	IN PASSENGER VEHICLE	LOW	La Pino'z Pizza Kandivali
7-07-2022	08:38:08	880	MOTORCYCLING	LOW	Malad Industrial Estate
7-97-2022	10:23:08	1492	IN_PASSENGER_VEHICLE	LOW	Aadhar Center
7-07-2022	18:57:46	1294	MOTORCYCLING	MEDIUM	La Pino'z Pizza Kandivali
7-07-2022	11:38:53	5829	MOTORCYCLING	LOW	State Bank Of India ATM
8-07-2022	03:51:31	1292	IN_BUS	LOW	
8-07-2022	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	i
06-07-2022	03:35:46	11483	IN_TRAIN	LOW	ľ
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

start_date				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	 	18716	IN_PASSENGER_VEHICLE	MEDIUM	
06-07-2022	03:23:42	1669	MOTORCYCLING	LOW	ĺ
06-07-2022	03:35:46	11483	IN TRAIN	LOW	i e
06-07-2022	03:58:13	1069	MOTORCYCLING	MEDIUM	İ
08-07-2022	03:11:39	461	MOTORCYCLING	LOW	i
08-07-2022	03:26:15	1099	IN_PASSENGER_VEHICLE	LOW	
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	The second secon
13-07-2022	03:48:02	1896	IN_BUS	LOW	Kandivali Railway Station (W)
14-07-2022	03:54:54	8949	IN_BUS	HIGH	29 18900
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
27-07-2022	03:48:55	9483	IN_BUS	LOW	Doolally Taproom - Andheri
28-07-2022	03:29:48	9599	IN_BUS	MEDIUM	RikÄ? - Terrace Bar & Grill
29-07-2022	03:31:35	1948	MOTORCYCLING	LOW	Kandivali Bus Station (W)
29-07-2022	03:47:34	9579	IN_TRAIN	MEDIUM	

