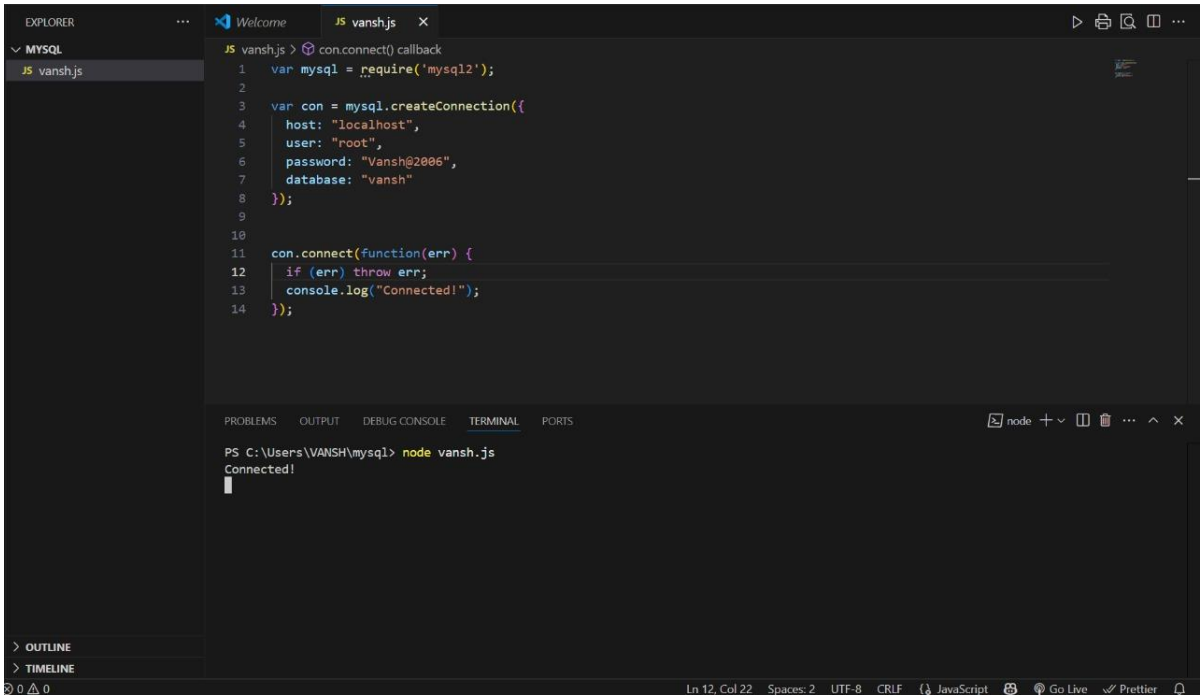
9 June Classwork – Vansh

Session 1 – Node.js My SQL

CONNECTION ESTABLISH:-



DATABASE CREATED:

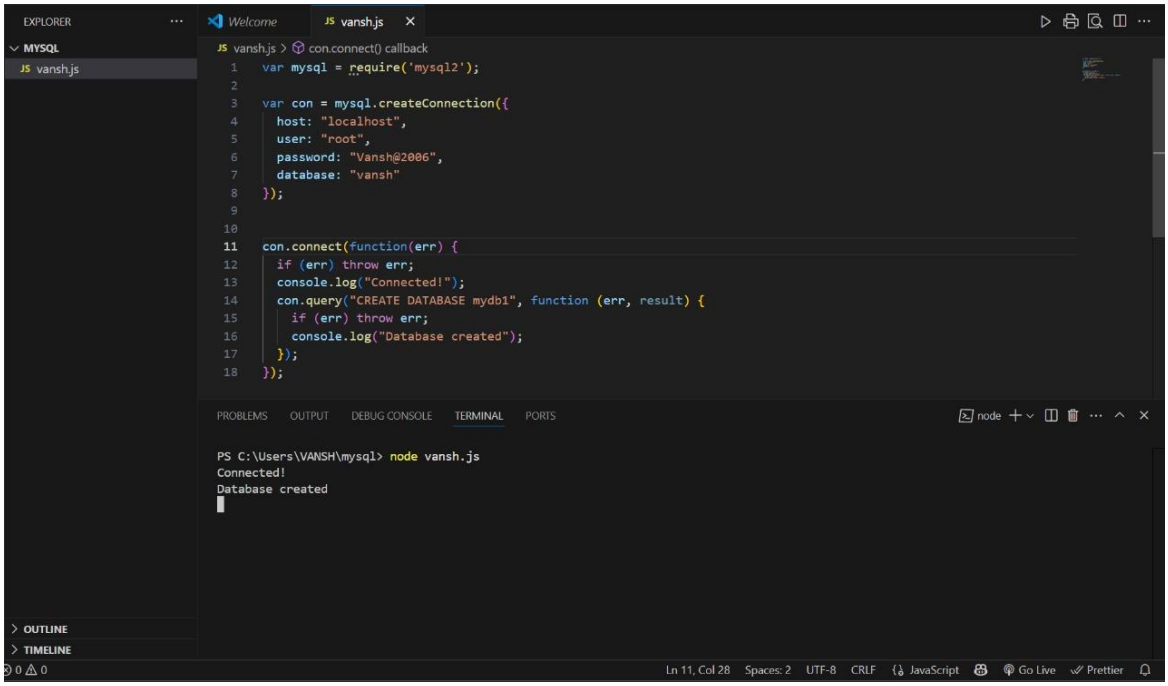
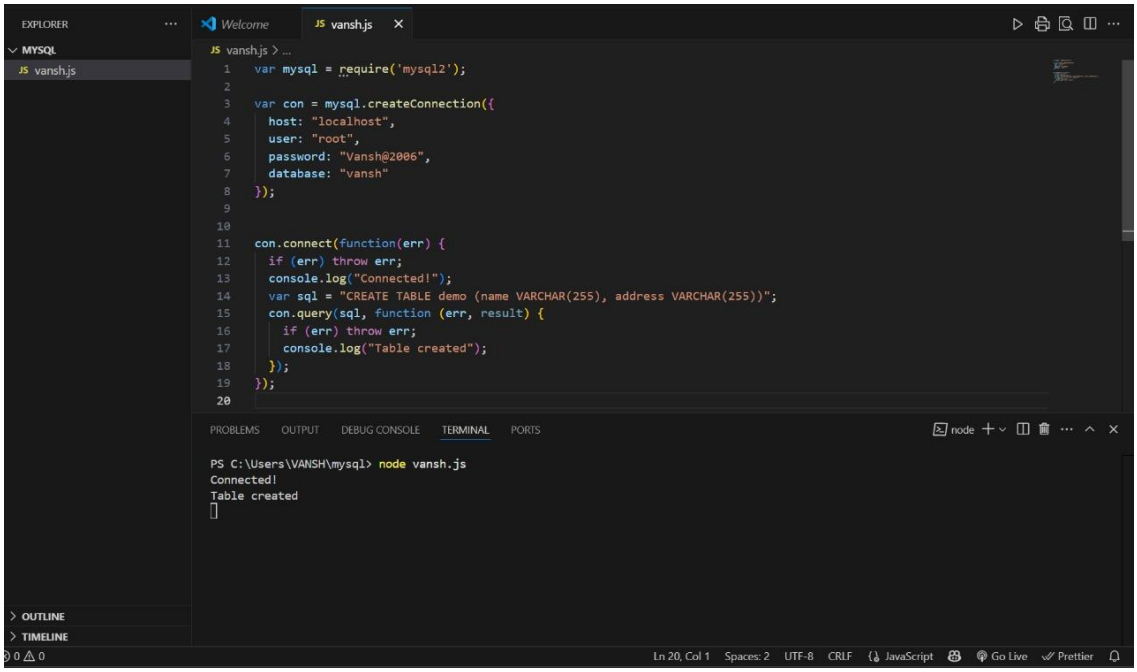
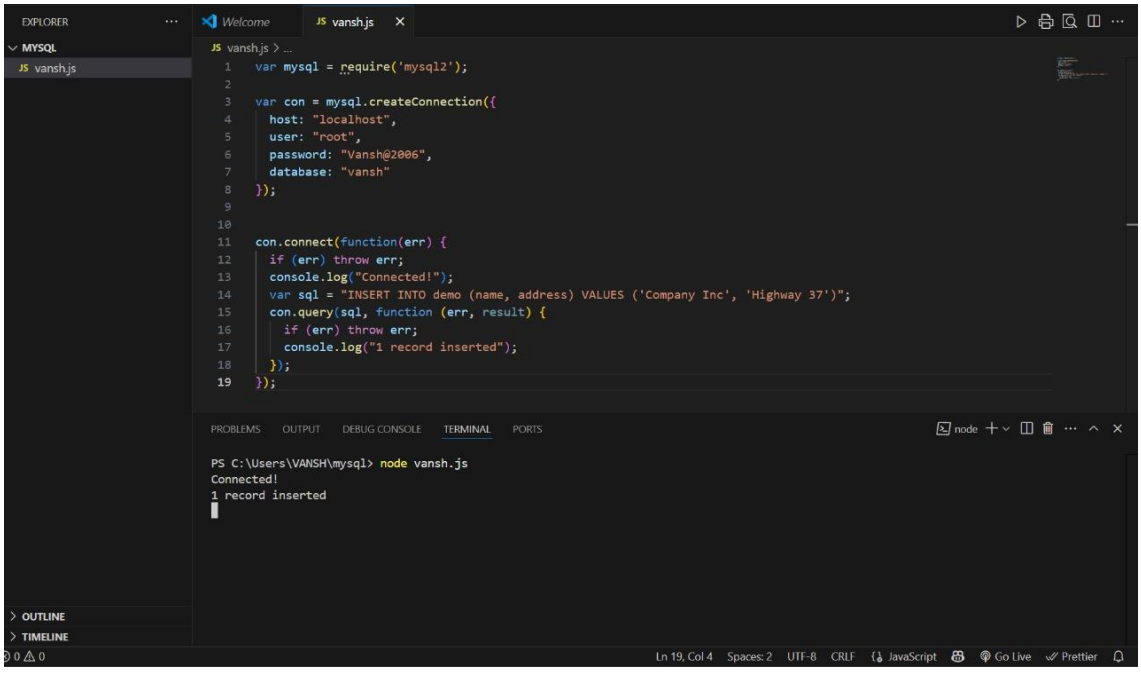


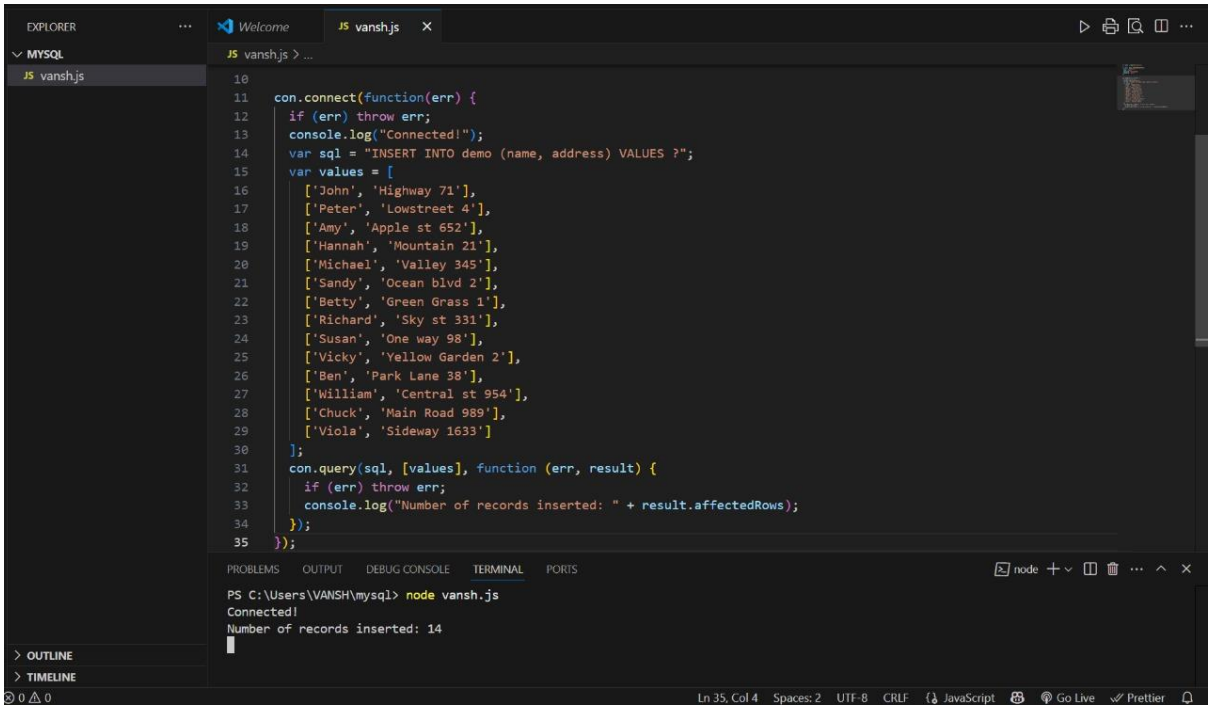
TABLE CREATION:



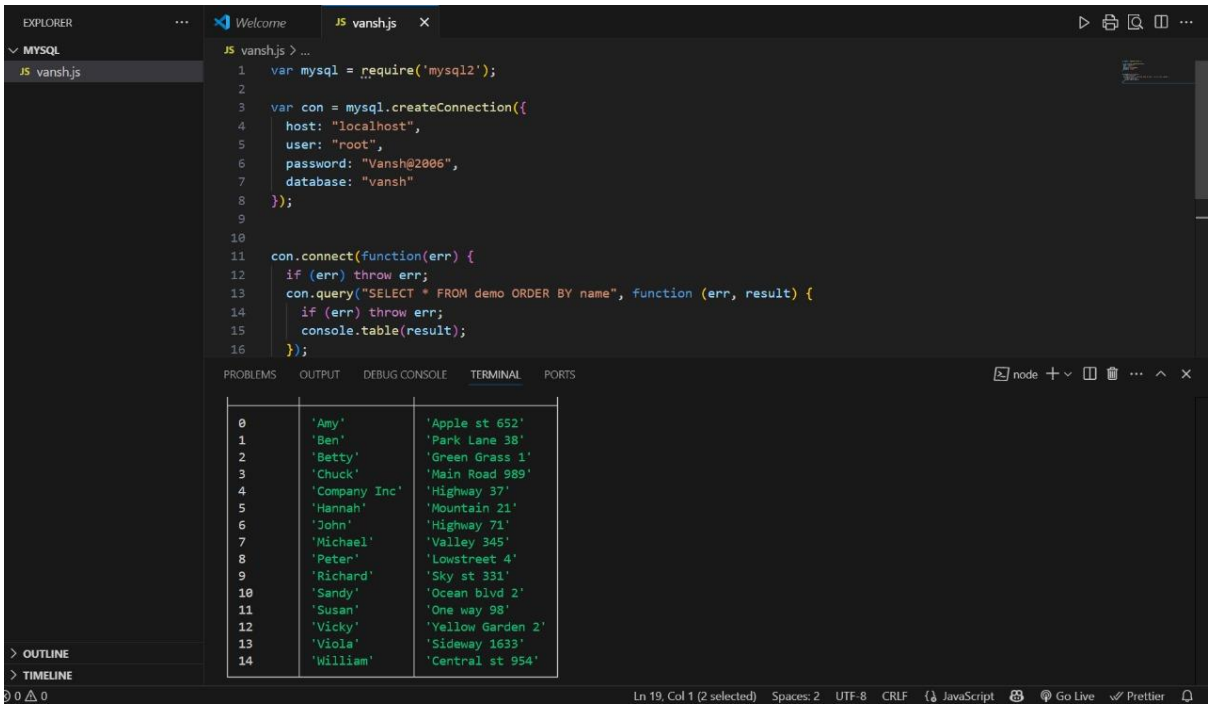
INTO METHOD:-



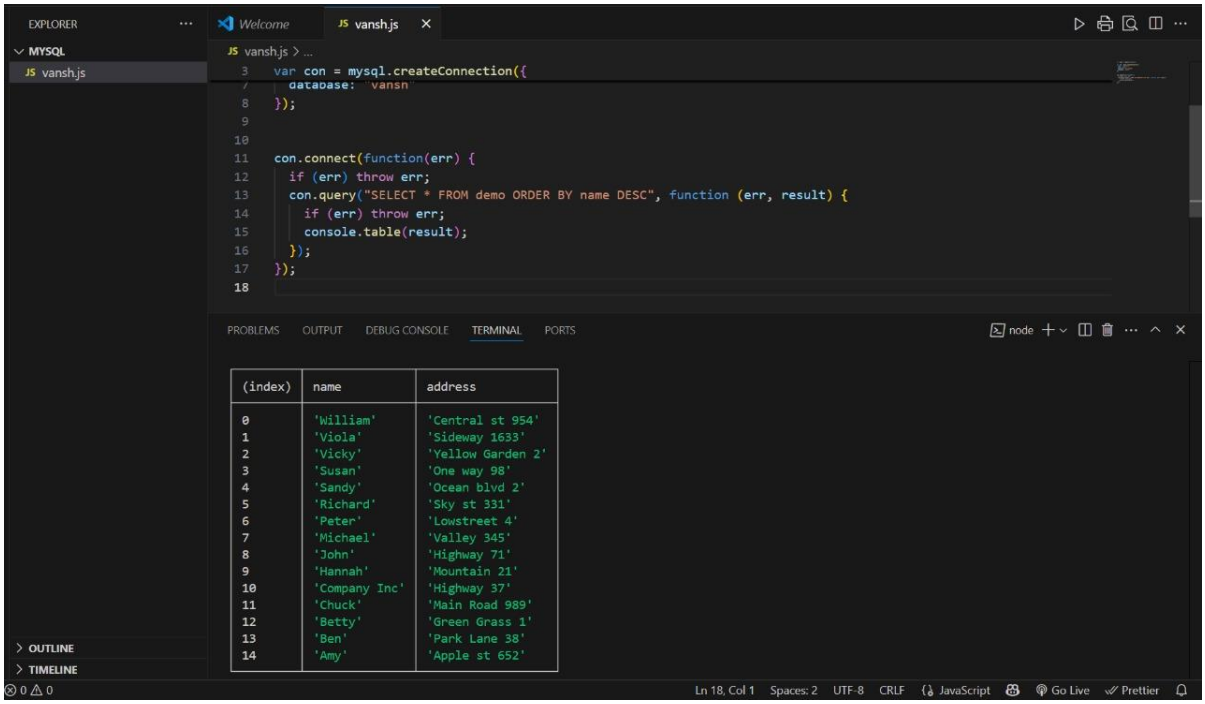
MULTIPLE INSERTION:-



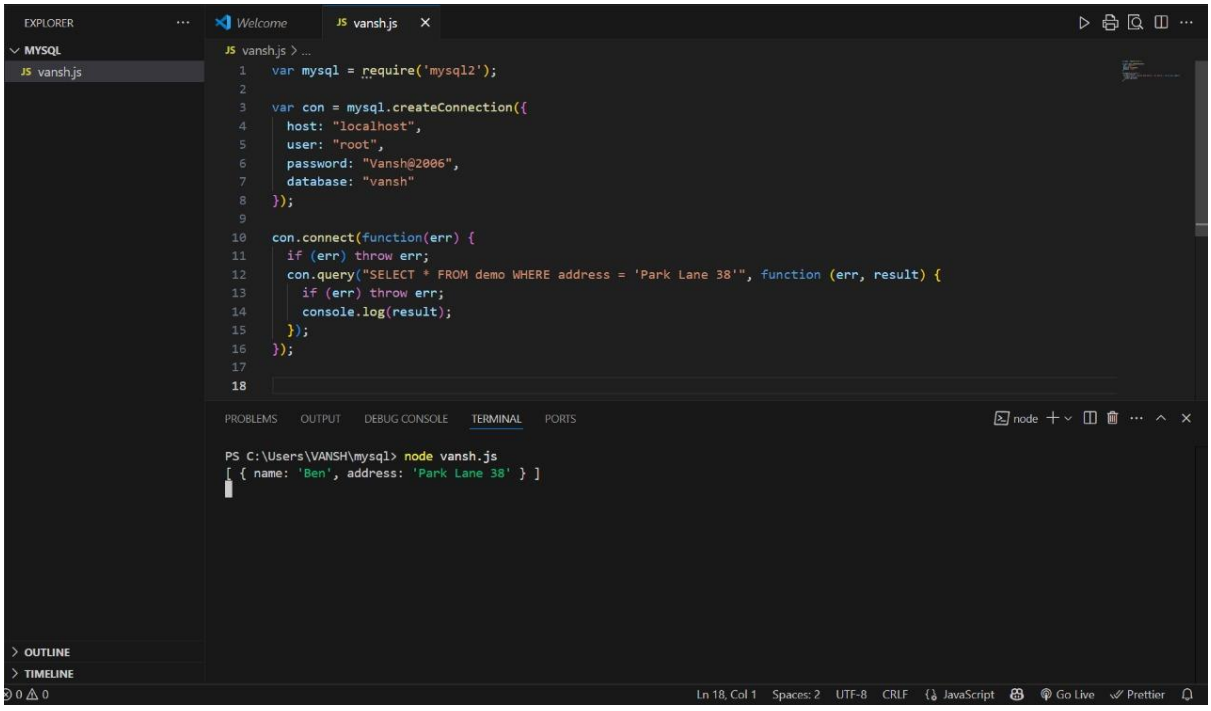
ORDER BY ASCENDING ORDER:-



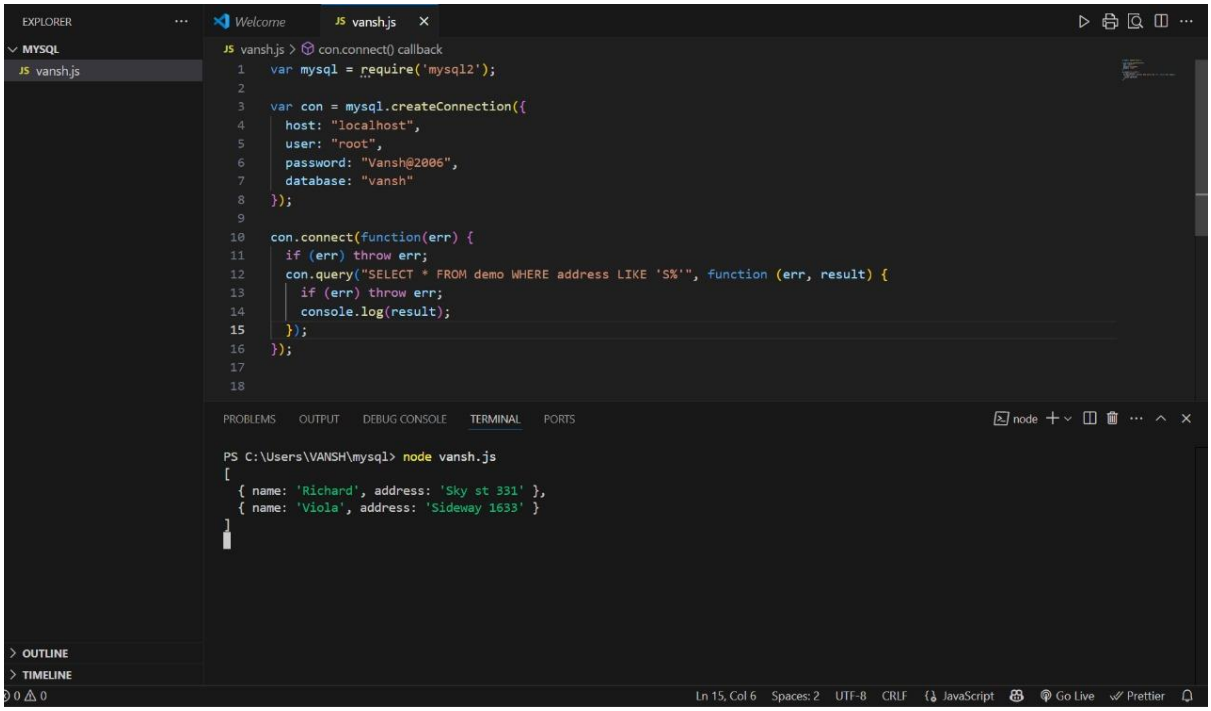
ORDER BY DESCENDING ORDER:-



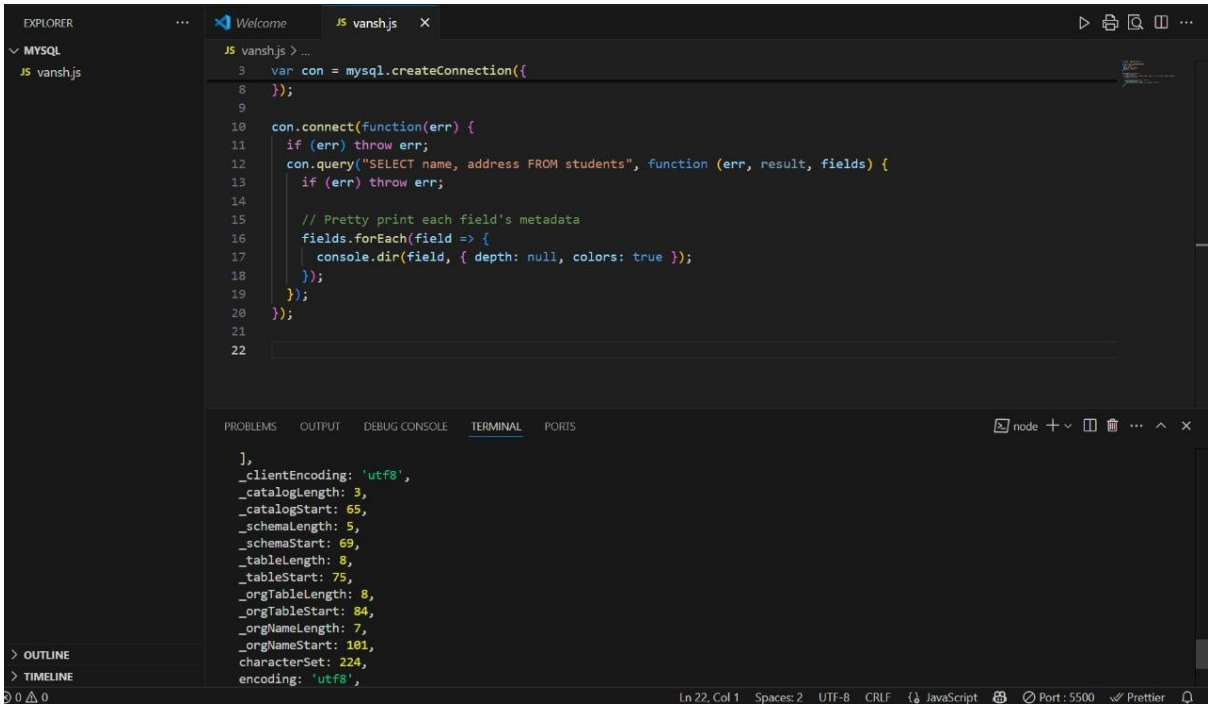
SELECT FROM QUERY:-

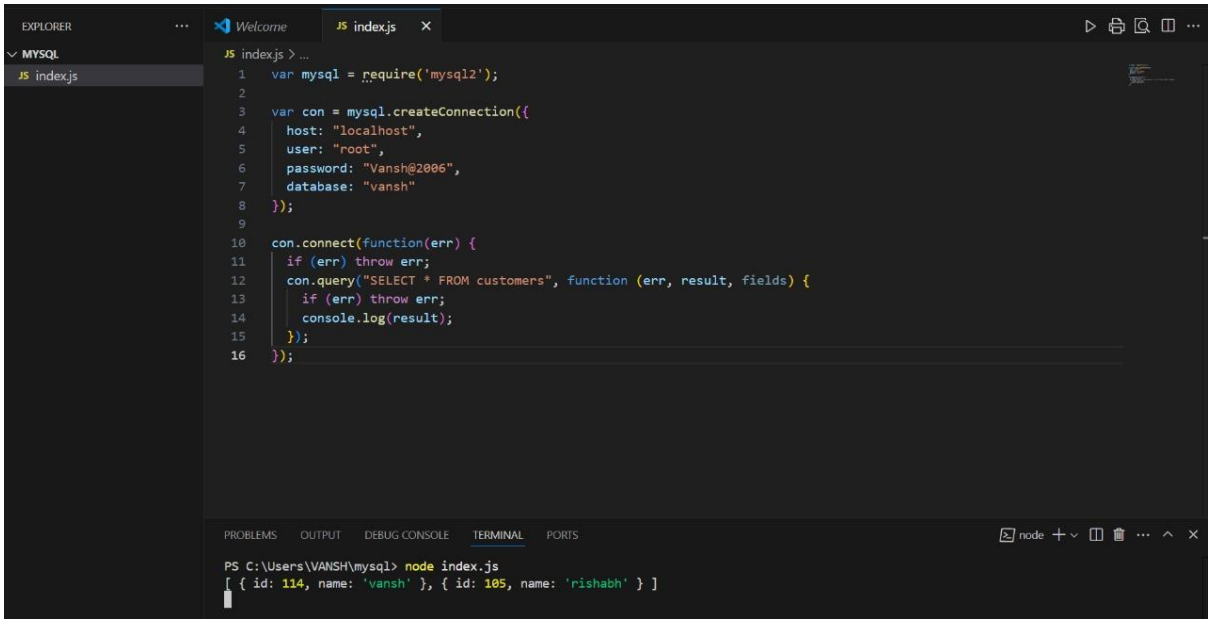


WILDCARD :-

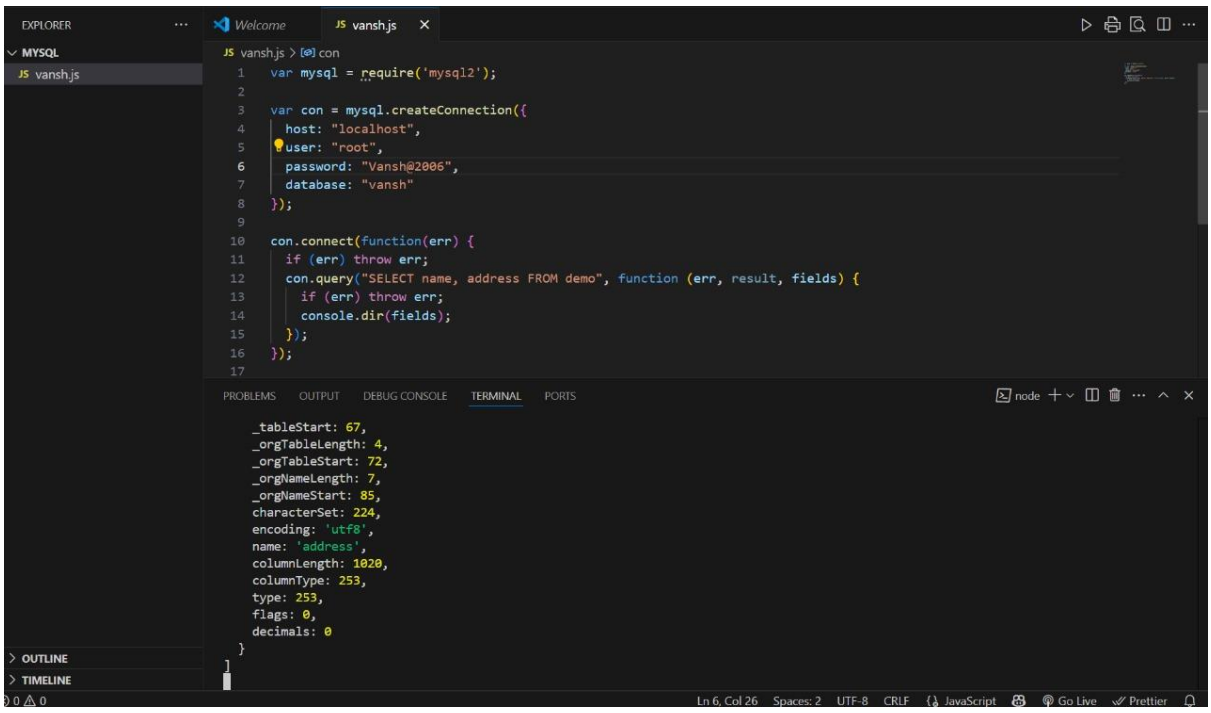


SELECT FROM A COLUMN:-

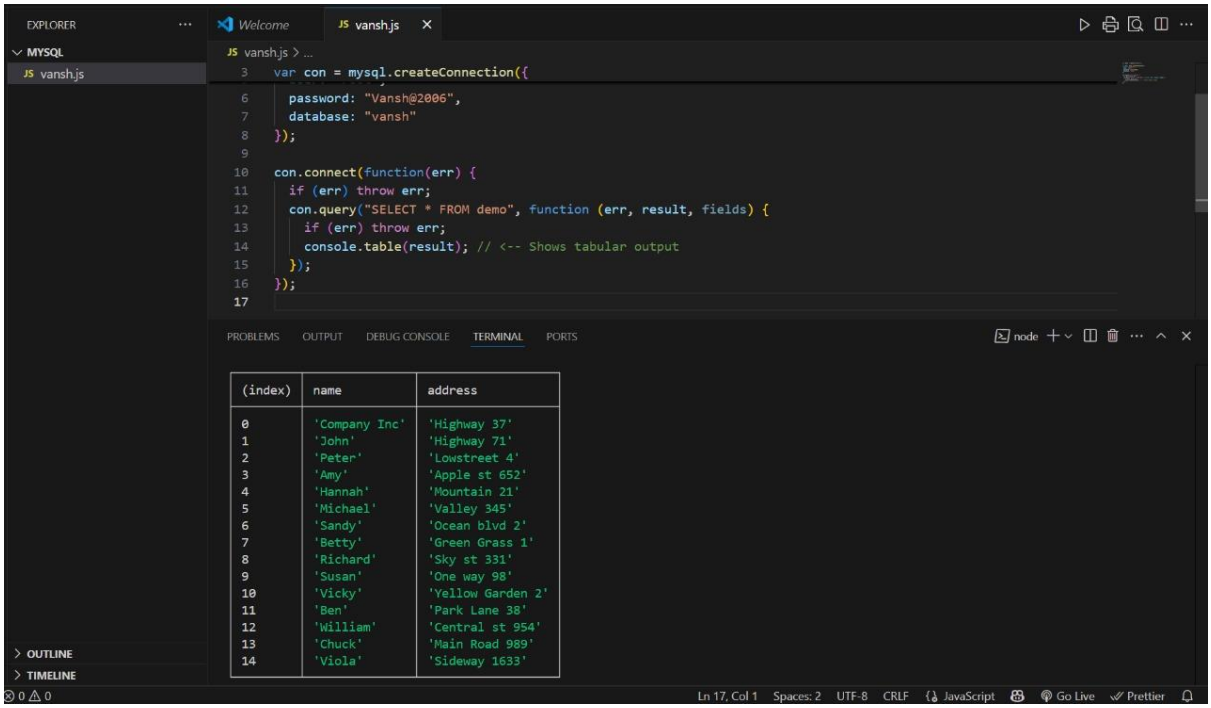



EXPLORER
MYSQL
index.js
Welcome
index.js
var mysql = require('mysql2');
var con = mysql.createConnection({
host: "localhost",
user: "root",
password: "Vansh@2006",
database: "vansh"
});
con.connect(function(err) {
if (err) throw err;
con.query("SELECT * FROM customers", function (err, result, fields) {
if (err) throw err;
console.log(result);
});
});
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
node
PS C:\Users\VANSH\mysql> node index.js
[{ id: 114, name: 'vansh' }, { id: 105, name: 'rishabh' }]

FIELD QUERY:-


EXPLORER
MYSQL
vansh.js
Welcome
vansh.js
var mysql = require('mysql2');
var con = mysql.createConnection({
host: "localhost",
user: "root",
password: "Vansh@2006",
database: "vansh"
});
con.connect(function(err) {
if (err) throw err;
con.query("SELECT name, address FROM demo", function (err, result, fields) {
if (err) throw err;
console.dir(fields);
});
});
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
node
_tableStart: 67,
_orgTableLength: 4,
_orgTableStart: 72,
_orgNameLength: 7,
_orgNameStart: 85,
characterSet: 224,
encoding: 'utf8',
name: 'address',
columnLength: 1020,
columnType: 253,
type: 253,
flags: 0,
decimals: 0
}
]
OUTLINE
TIMELINE
Ln 6, Col 26
Spaces: 2
UTF-8
CRLF
JavaScript
Go Live
Prettier

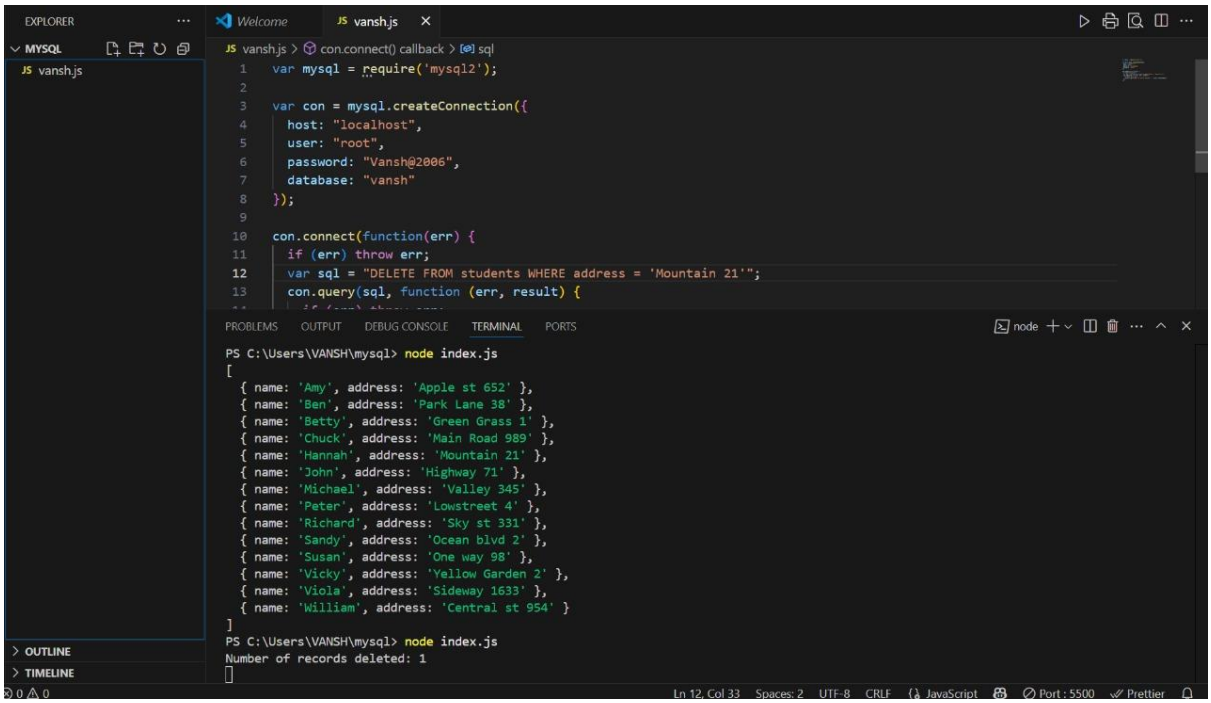
TABULAR FORM:-



```
var con = mysql.createConnection({
  password: "Vansh@2006",
  database: "vansh"
});

con.connect(function(err) {
  if (err) throw err;
  con.query("SELECT * FROM demo", function (err, result, fields) {
    if (err) throw err;
    console.table(result); // <-- Shows tabular output
  });
});
```

```
(index)  name           address
0        'Company Inc'  'Highway 37'
1        'John'         'Highway 71'
2        'Peter'        'Lowstreet 4'
3        'Amy'          'Apple st 652'
4        'Hannah'       'Mountain 21'
5        'Michael'      'Valley 345'
6        'Sandy'        'Ocean blvd 2'
7        'Betty'        'Green Grass 1'
8        'Richard'      'Sky st 331'
9        'Susan'        'One way 98'
10       'Vicky'        'Yellow Garden 2'
11       'Ben'          'Park Lane 38'
12       'William'      'Central st 954'
13       'Chuck'        'Main Road 989'
14       'Viola'        'Sideway 1633'
```

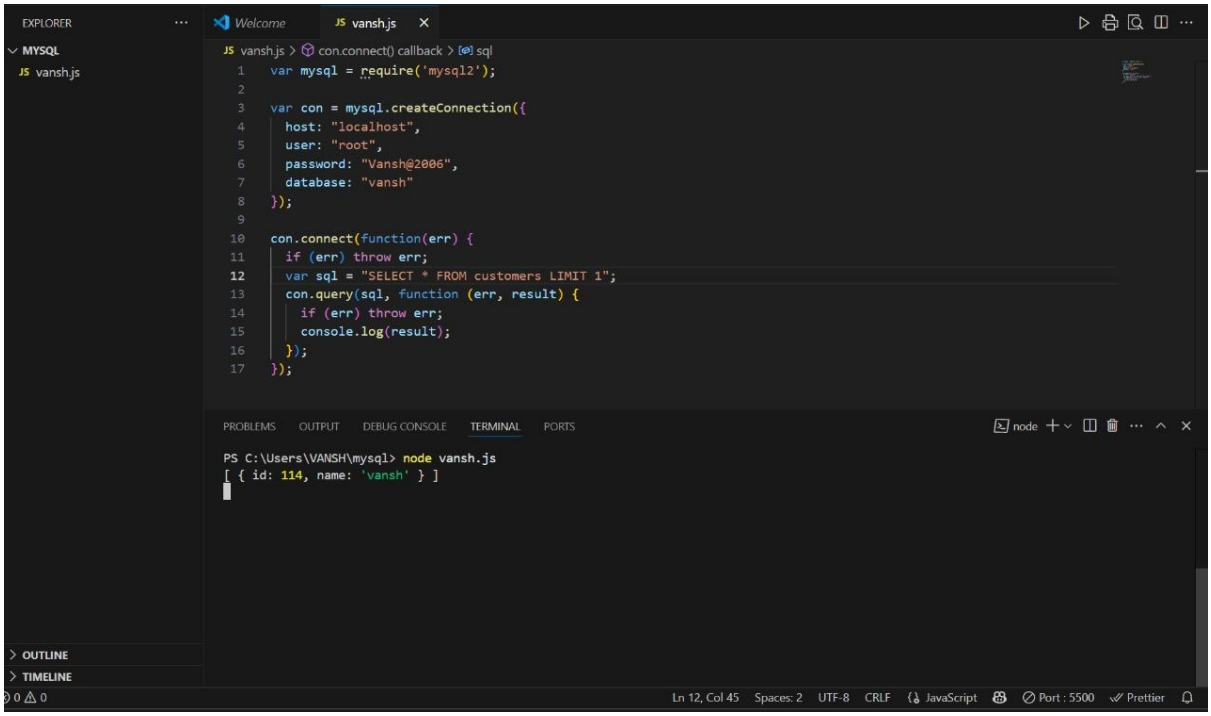
DELETE THE ROW:-



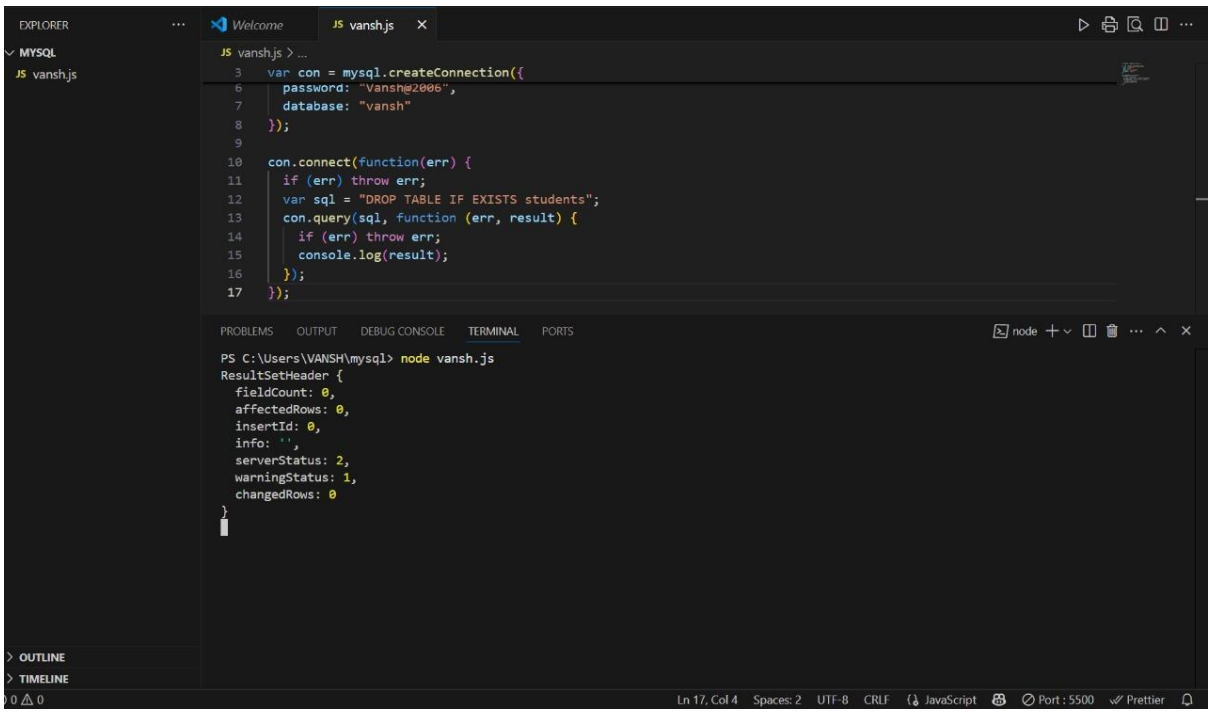
```
var mysql = require('mysql2');

var con = mysql.createConnection({
  host: "localhost",
  user: "root",
  password: "Vansh@2006",
  database: "vansh"
});

con.connect(function(err) {
  if (err) throw err;
  var sql = "DELETE FROM students WHERE address = 'Mountain 21'";
  con.query(sql, function (err, result) {
```

```
PS C:\Users\VANSH\mysql> node index.js
[
  { name: 'Amy', address: 'Apple st 652' },
  { name: 'Ben', address: 'Park Lane 38' },
  { name: 'Betty', address: 'Green Grass 1' },
  { name: 'Chuck', address: 'Main Road 989' },
  { name: 'Hannah', address: 'Mountain 21' },
  { name: 'John', address: 'Highway 71' },
  { name: 'Michael', address: 'Valley 345' },
  { name: 'Peter', address: 'Lowstreet 4' },
  { name: 'Richard', address: 'Sky st 331' },
  { name: 'Sandy', address: 'Ocean blvd 2' },
  { name: 'Susan', address: 'One way 98' },
  { name: 'Vicky', address: 'Yellow Garden 2' },
  { name: 'Viola', address: 'Sideway 1633' },
  { name: 'William', address: 'Central st 954' }
]
PS C:\Users\VANSH\mysql> node index.js
Number of records deleted: 1
```

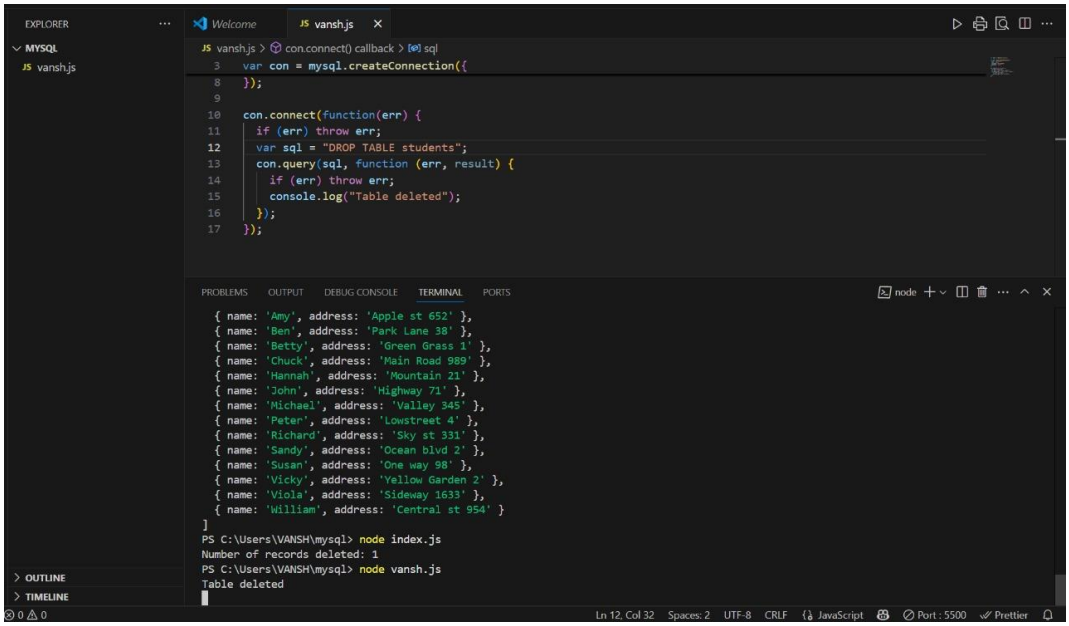
LIMIT:-


EXPLORER
MYSQL
vansh.js
Welcome
vansh.js
vansh.js > con.connect() callback > sql
var mysql = require('mysql2');
var con = mysql.createConnection({
host: "localhost",
user: "root",
password: "Vansh@2006",
database: "vansh"
});
con.connect(function(err) {
if (err) throw err;
var sql = "SELECT * FROM customers LIMIT 1";
con.query(sql, function (err, result) {
if (err) throw err;
console.log(result);
});
});
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
node
PS C:\Users\VANSH\mysql> node vansh.js
[{ id: 114, name: 'vansh' }]
OUTLINE
TIMELINE
Ln 12, Col 45
Spaces: 2
UTF-8
CRLF
JavaScript
Port : 5500
Prettier

DROP:-


EXPLORER
MYSQL
vansh.js
Welcome
vansh.js
vansh.js > ...
var con = mysql.createConnection({
password: "Vansh@2006",
database: "vansh"
});
con.connect(function(err) {
if (err) throw err;
var sql = "DROP TABLE IF EXISTS students";
con.query(sql, function (err, result) {
if (err) throw err;
console.log(result);
});
});
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
node
PS C:\Users\VANSH\mysql> node vansh.js
ResultSetHeader {
fieldCount: 0,
affectedRows: 0,
insertId: 0,
info: '',
serverStatus: 2,
warningStatus: 1,
changedRows: 0
}
OUTLINE
TIMELINE
Ln 17, Col 4
Spaces: 2
UTF-8
CRLF
JavaScript
Port : 5500
Prettier

DROP TABLE/ DELETE THE TABLE:-



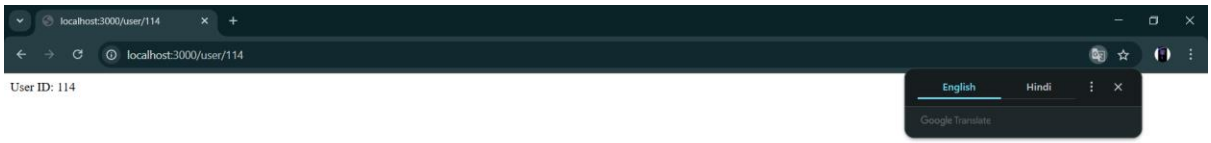
Session 2 - Express.js

OUTPUTS:-

Router Middleware

Something broke!

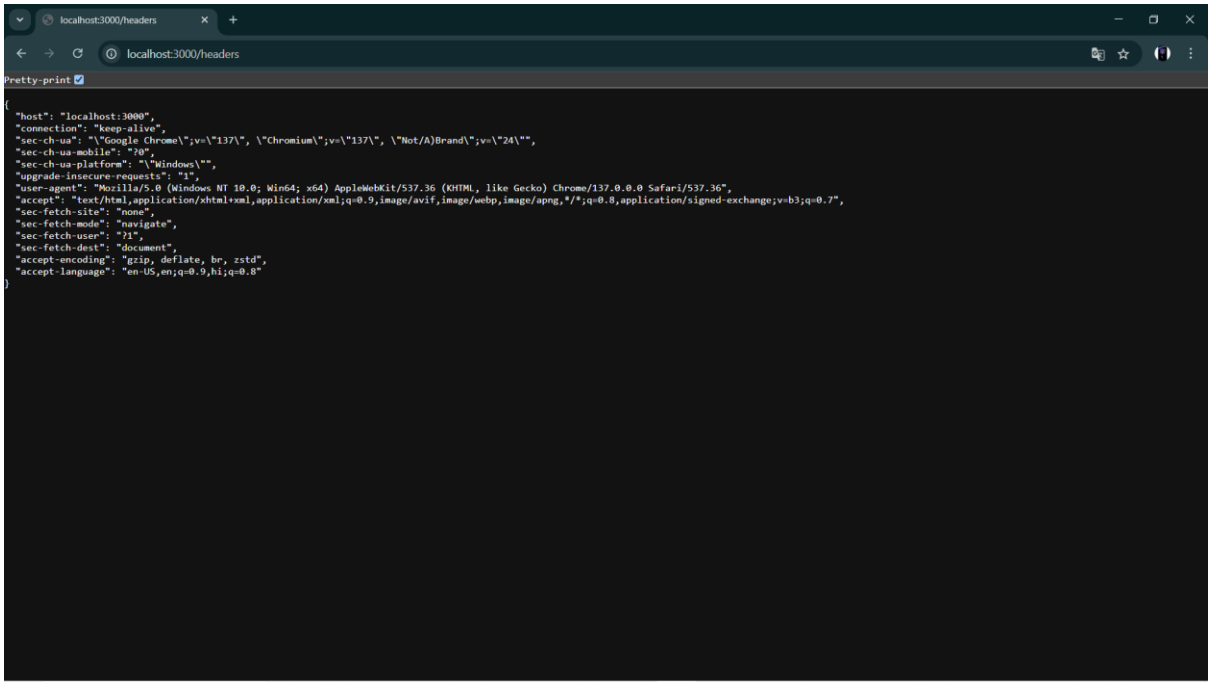
Search query: car



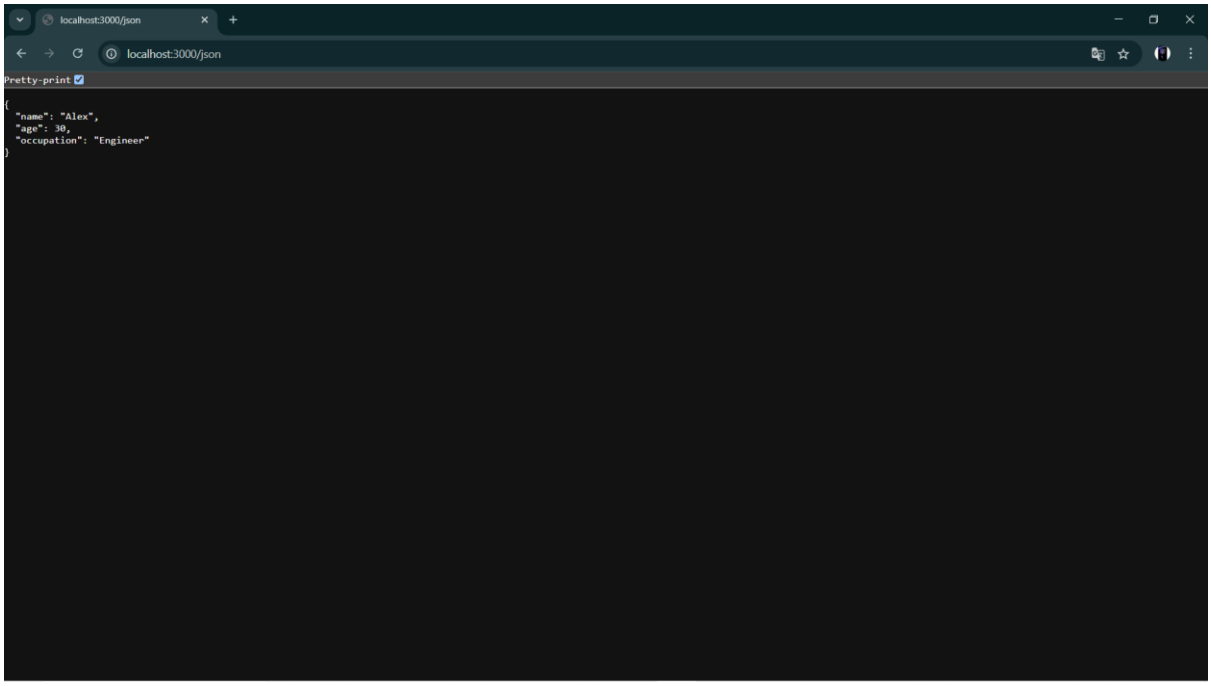
User ID: 114

HTTP Method used in the request: GET

The requested URL is: /request-url



Hello, this is a plain text response!


localhost:3000/json
localhost:3000/json
Pretty-print
{
"name": "Alex",
"age": 30,
"occupation": "Engineer"
}