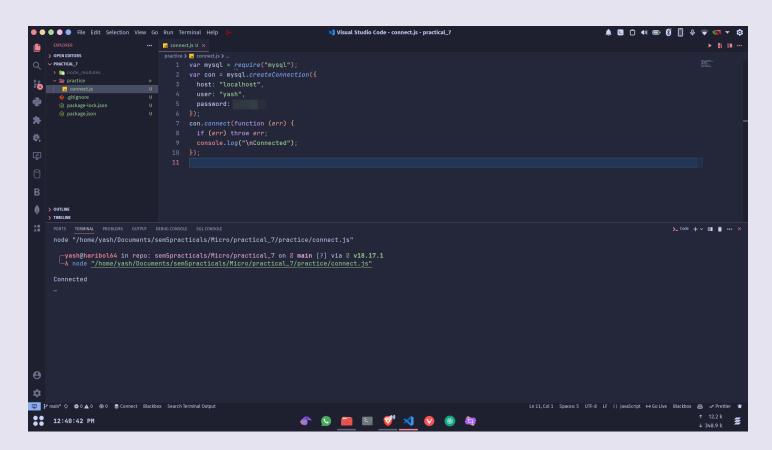
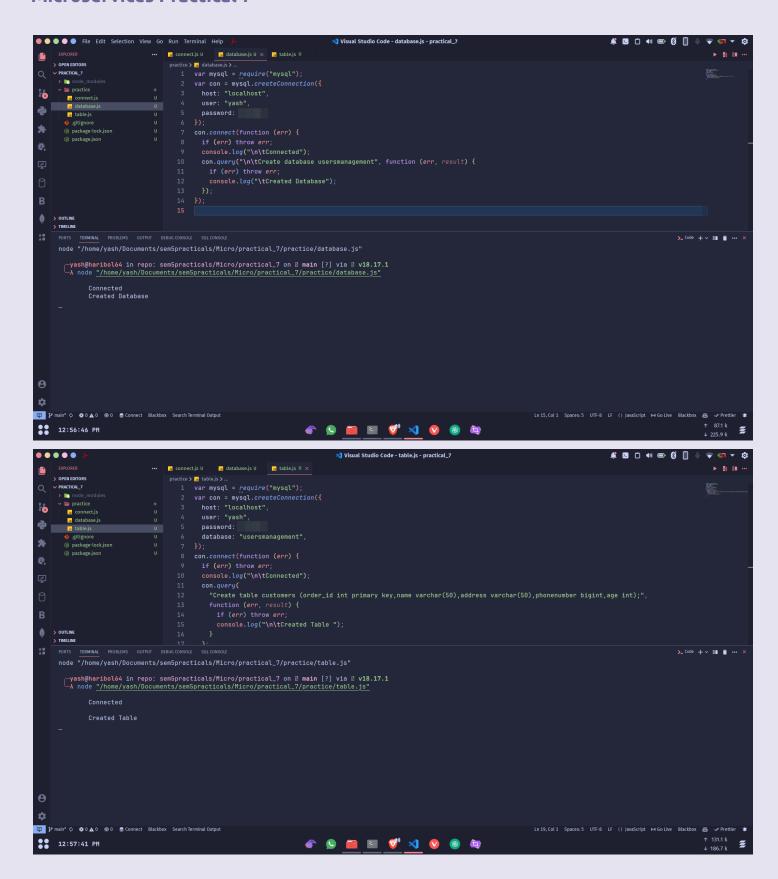
<u>Scenario</u>: Demonstrate the nodeJS application with MySQL Database. Anurag is selling clothes online to his customers via his website. He wants to manage his customer's records and for that, he wants to perform the following CRUD operations using MySQL and nodeJS:

Tasks, Code and Screenshots:

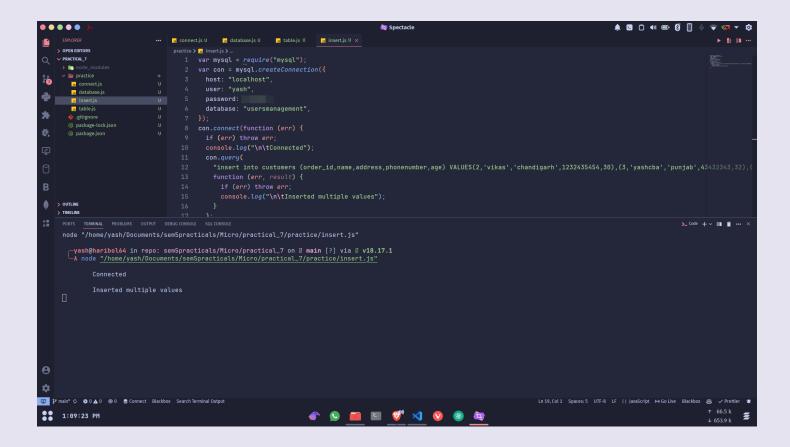
Initial steps: Connecting the database, creating the table, etc.





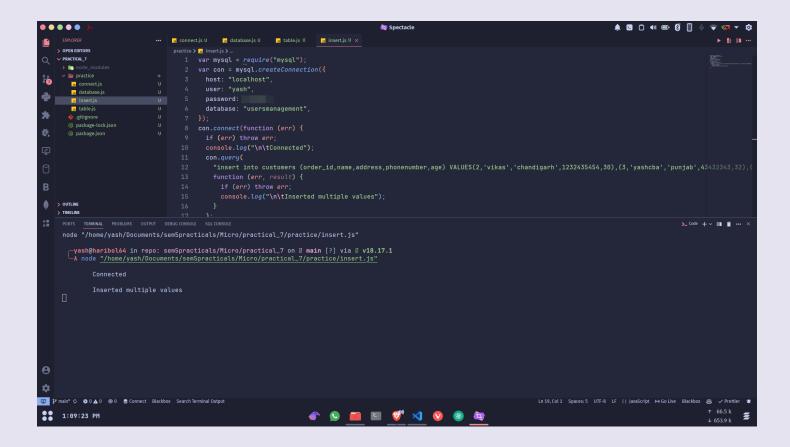
Practical 7.1: Add new customer in Customers with (name,phon_no,order_id).

```
var mysql = require("mysql");
var con = mysql.createConnection({
host: "localhost",
user: "yash",
password: "",
database: "usersmanagement",
});
con.connect(function (err) {
if (err) throw err;
console.log("\n\tConnected");
con.query(
"insert into customers (order_id,name,address,phonenumber,age)
VALUES(2,'vikas','chandigarh',1232435454,30),(3,'yashcba','punjab',4343234
3,32),(4,'abc','sciencecity',434343243,30),(5,'yash_gnu','jodphur',2124435
4,37);",
function (err, result) {
if (err) throw err;
console.log("\n\tInserted multiple values");
```



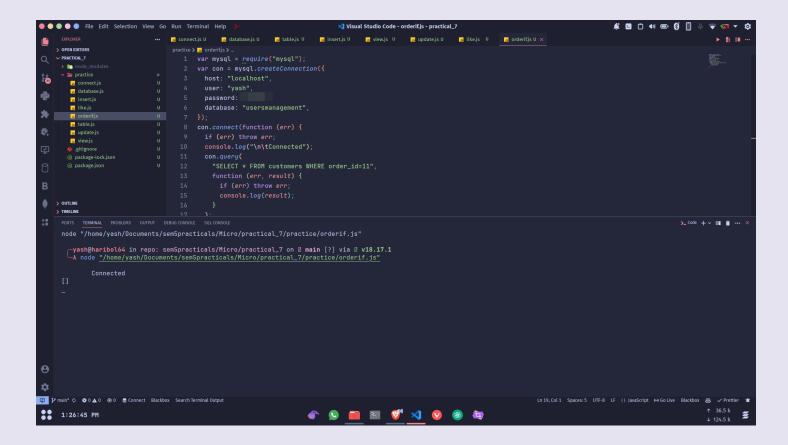
Practical 7.2: Add bulk of customers at the same time.

```
var mysql = require("mysql");
var con = mysql.createConnection({
host: "localhost",
user: "yash",
password: "",
database: "usersmanagement",
});
con.connect(function (err) {
if (err) throw err;
console.log("\n\tConnected");
con.query(
"insert into customers (order_id,name,address,phonenumber,age)
VALUES(2,'vikas','chandigarh',1232435454,30),(3,'yashcba','punjab',4343234
3,32),(4,'abc','sciencecity',434343243,30),(5,'yash_gnu','jodphur',2124435
4,37);",
function (err, result) {
if (err) throw err;
console.log("\n\tInserted multiple values");
```



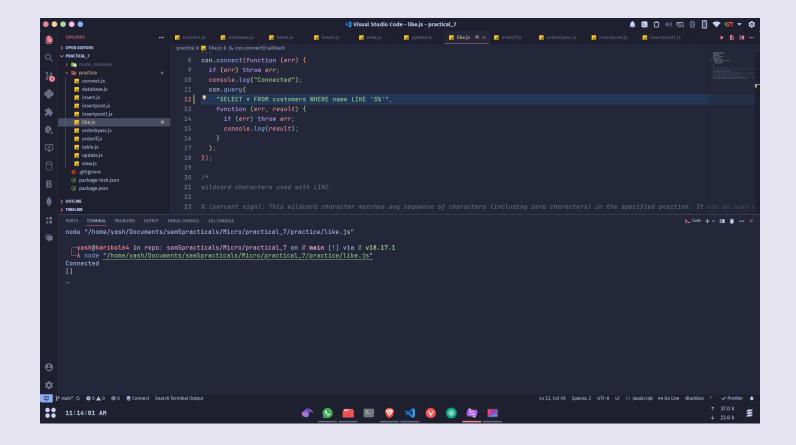
Practical 7.3: only display those customer details whose order_id=11

```
var mysql = require("mysql");
var con = mysql.createConnection({
host: "localhost",
user: "yash",
password: "",
database: "usersmanagement",
});
con.connect(function (err) {
if (err) throw err;
console.log("\n\tConnected");
con.query(
"SELECT * FROM customers WHERE order_id=11",
function (err, result) {
if (err) throw err;
console.log(result);
```



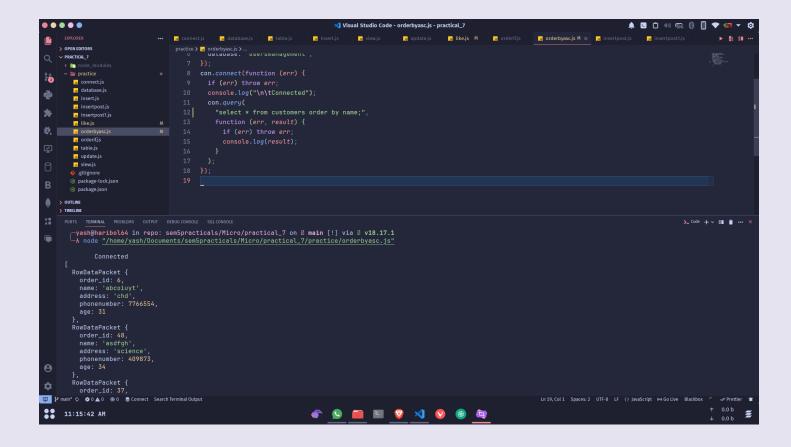
Practical 7.4: Select records where the address starts with the letter 'S'

```
var mysql = require("mysql");
var con = mysql.createConnection({
host: "localhost",
user: "yash",
password: "",
database: "usersmanagement",
});
con.connect(function (err) {
if (err) throw err;
console.log("Connected");
con.query(
"SELECT * FROM customers WHERE name LIKE 'S%'",
function (err, result) {
if (err) throw err;
console.log(result);
```



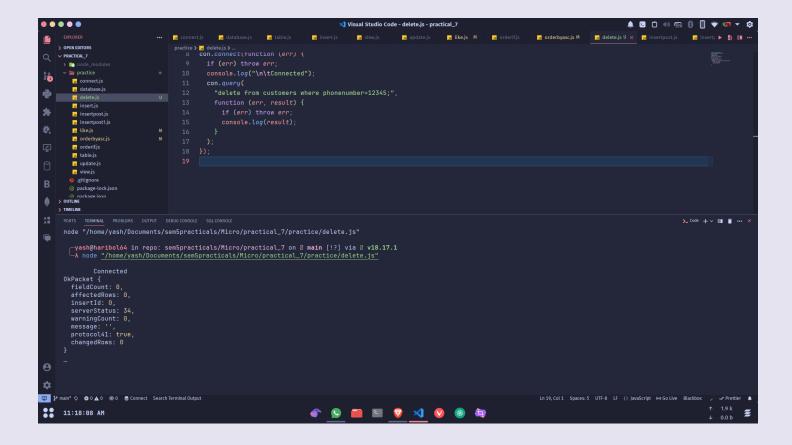
Practical 7.5: Sort the customer list alphabetically by name

```
var mysql = require("mysql");
var con = mysql.createConnection({
host: "localhost",
user: "yash",
password: "",
database: "usersmanagement",
});
con.connect(function (err) {
if (err) throw err;
console.log("\n\tConnected");
con.query(
"select * from customers order by name;",
function (err, result) {
if (err) throw err;
console.log(result);
```



Practical 7.6: Delete any record with the phone_no "12345"

```
var mysql = require("mysql");
var con = mysql.createConnection({
host: "localhost",
user: "yash",
password: "",
database: "usersmanagement",
});
con.connect(function (err) {
if (err) throw err;
console.log("\n\tConnected");
con.query(
"delete from customers where phonenumber=12345;",
function (err, result) {
if (err) throw err;
console.log(result);
```



Practical 7.7: Create an API to post customer records.

```
var mysql = require("mysql");
const express = require("express");
const bodyParser = require("body-parser");
const cors = require("cors");
const app = express();
app.use(cors());
// Configuring body parser middleware
app.use(bodyParser.urlencoded({ extended: false }));
app.use(bodyParser.json());
var port = 8080;
var con = mysql.createConnection({
host: "localhost",
user: "yash",
password: "",
database: "usersmanagement",
});
var sql =
"INSERT INTO customers (order_id,name,address,phonenumber,age)                VALUES (?,
?, ?, ?, ?);";
var order, nme, add, phone, ag;
app.post("/api/store", (req, res) <math>\Rightarrow \{
(order = reg.body.order_id),
```

```
(nme = req.body.name),
(add = req.body.address),
(phone = req.body.phonenumber),
(ag = req.body.age);
//values.push(product);
res.send("entry done");
con.connect(function (err) {
if (err) throw err;
console.log("\n\tConnected");
con.query(sql, [order, nme, add, phone, ag], function (err, result) {
if (err) throw err;
console.log("\n\tInserted multiple values");
});
});
});
app.listen(port);
```

