BookStore Api:

Bookstore,js:

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

mongoose.connect("mongodb://localhost:27017/bookstoreDB", {
  useNewUrlParser: true,
  useUnifiedTopology: true,
})
.then(() => console.log(" MongoDB connected"))
.catch(err => console.error(" MongoDB connection error:", err));

const bookSchema = new mongoose.Schema({
  title: String,
  author: String,
  price: Number,
}, { timestamps: true });

const Book = mongoose.model("Book", bookSchema);

// CRUD Functions
async function addBook(title, author, price) {
  const book = new Book({ title, author, price });
  await book.save();
  console.log("Book added:", book);
}

async function listBooks() {
  const books = await Book.find();
```

```
  console.log("All Books:", books);
}

async function findBook(title) {
  const book = await Book.findOne({ title });
  console.log("Found Book:", book);
}

async function updateBookPrice(title, newPrice) {
  const updated = await Book.findOneAndUpdate(
    { title },
    { price: newPrice },
    { new: true }
  );
  console.log("Updated Book:", updated);
}

async function main() {
  await addBook("Atomic Habits", "James Clear", 500);
  await addBook("The Alchemist", "Paulo Coelho", 300);

  await listBooks();
  await findBook("The Alchemist");
  await updateBookPrice("The Alchemist", 350);

  await listBooks();
  mongoose.connection.close();
}
```

```
main();
```

Employee-Management API:

Employee-management.js:

```
const mysql = require('mysql2/promise');

async function connectDB() {
  const connection = await mysql.createConnection({
    host: 'localhost',
    user: 'root',
    password: 'Swetha@57',
    database: 'employeeDB'
  });
  console.log(" Connected to MySQL");
  return connection;
}

async function addEmployee(name, email, department) {
  const db = await connectDB();
  const [result] = await db.execute(
    "INSERT INTO employees (name, email, department) VALUES (?, ?, ?)",
    [name, email, department]
  );
  console.log(" Employee Added, ID:", result.insertId);
  await db.end();
}
```

```
async function listEmployees() {
  const db = await connectDB();
  const [rows] = await db.execute("SELECT * FROM employees");
  console.log(" Employees:", rows);
  await db.end();
}

async function updateEmployee(id, newDepartment) {
  const db = await connectDB();
  const [result] = await db.execute(
    "UPDATE employees SET department = ? WHERE id = ?",
    [newDepartment, id]
  );
  console.log(` Updated Employee ID ${id}, Rows affected:`, result.affectedRows);
  await db.end();
}

async function deleteEmployee(id) {
  const db = await connectDB();
  const [result] = await db.execute(
    "DELETE FROM employees WHERE id = ?",
    [id]
  );
  console.log(` Deleted Employee ID ${id}, Rows affected:`, result.affectedRows);
  await db.end();
}

async function run() {
```

```
  await addEmployee("Alice", "alice@example.com", "HR");
  await addEmployee("Bob", "bob@example.com", "IT");

  await listEmployees();

  await updateEmployee(1, "Finance");

  await deleteEmployee(2);

  await listEmployees();
}

run();
```