**Assignment Project: E-commerce Database**

**Objective:**

1. Explore the structure of the dataset by understanding the relationships between tables.
2. Formulate SQL queries to extract meaningful insights from the data.

**Tasks:**

**1. Data Exploration:**

* List all tables present in the dataset.
* Describe the structure of each table, including primary and foreign keys.
* Identify relationships between tables.

**2. Basic Queries:**

* Retrieve the first 10 rows of each table to get a glimpse of the data.
* Count the total number of rows in each table.

**3. Customer Analysis:**

* Find the total number of customers.
* Identify the top 5 states with the highest number of customers.
* Calculate the average order value for each customer.

**4. Product Analysis:**

* Determine the total number of unique products.
* Find the top 10 best-selling products.
* Calculate the average price of products.

**5. Order Analysis:**

* Find the total number of orders.
* Calculate the average order value.
* Identify the month with the highest number of orders.

**6. Payment Analysis:**

* Determine the most common payment method.
* Calculate the total revenue for each payment method.

**7. Review Analysis:**

* Find the average review score for each product category.
* Identify the top 5 products with the highest average review score.

**8. Time Analysis:**

* Find the average time it takes for an order to be delivered.
* Identify the busiest days of the week for order placement.

**Submission:**

* Write SQL queries for each task.
* Include comments explaining the purpose of each query.
* Provide a brief summary of the insights obtained from each analysis.