**Q: 2**

**L0: Mongo Aggregations Customers and Order Analysis**

**Instructions:**

* **Insert the provided dataset into your MongoDB collection.**
* **Solve the aggregation queries and write your answers in query.txt.**
* **Submit your query.txt file after completing all tasks.**

**customers Collection**

**[**

**{ "\_id": "C1001", "name": "Alice", "city": "New York" },**

**{ "\_id": "C1002", "name": "Bob", "city": "Los Angeles" },**

**{ "\_id": "C1003", "name": "Charlie", "city": "Chicago" },**

**{ "\_id": "C1004", "name": "David", "city": "Houston" },**

**{ "\_id": "C1005", "name": "Eve", "city": "Seattle" }**

**]**

**orders Collection**

**[**

**{ "\_id": 1, "customerId": "C1001", "amount": 500, "product": "Laptop" },**

**{ "\_id": 2, "customerId": "C1002", "amount": 1200, "product": "Phone" },**

**{ "\_id": 3, "customerId": "C1001", "amount": 300, "product": "Headphones" },**

**{ "\_id": 4, "customerId": "C1003", "amount": 700, "product": "Monitor" },**

**{ "\_id": 5, "customerId": "C1004", "amount": 400, "product": "Keyboard" },**

**{ "\_id": 6, "customerId": "C1002", "amount": 800, "product": "Tablet" },**

**{ "\_id": 7, "customerId": "C1005", "amount": 900, "product": "Smartwatch" }**

**]**

**Aggregation Queries**

**Aggregation Queries:**

1. **Find the total amount spent by each customer.**
2. **Retrieve order details along with corresponding customer information.**
3. **Find orders where the amount is greater than Rs. 500.**
4. **Calculate the average order amount per customer.**
5. **Retrieve all orders with customer details, ensuring each order has an associated customer record.**