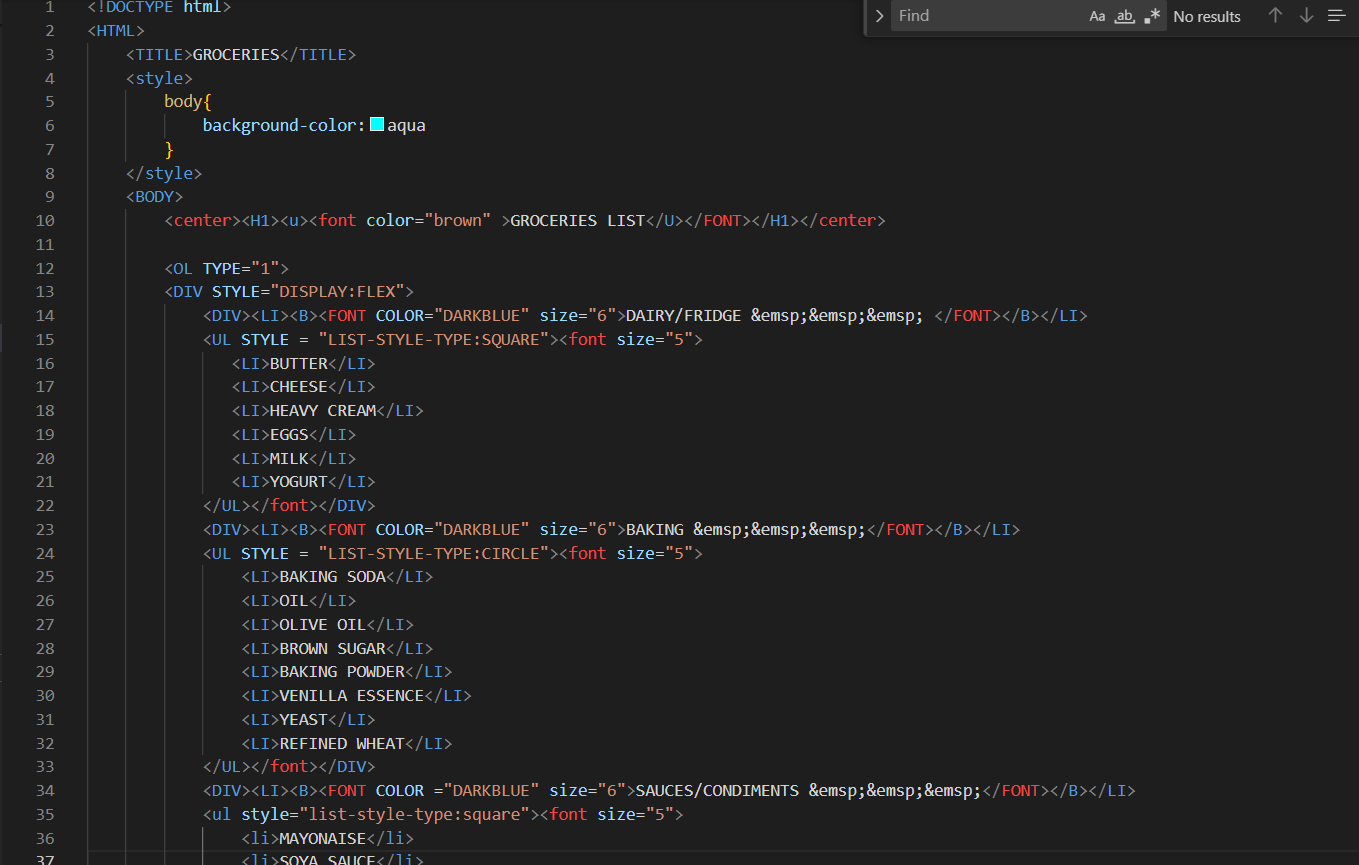
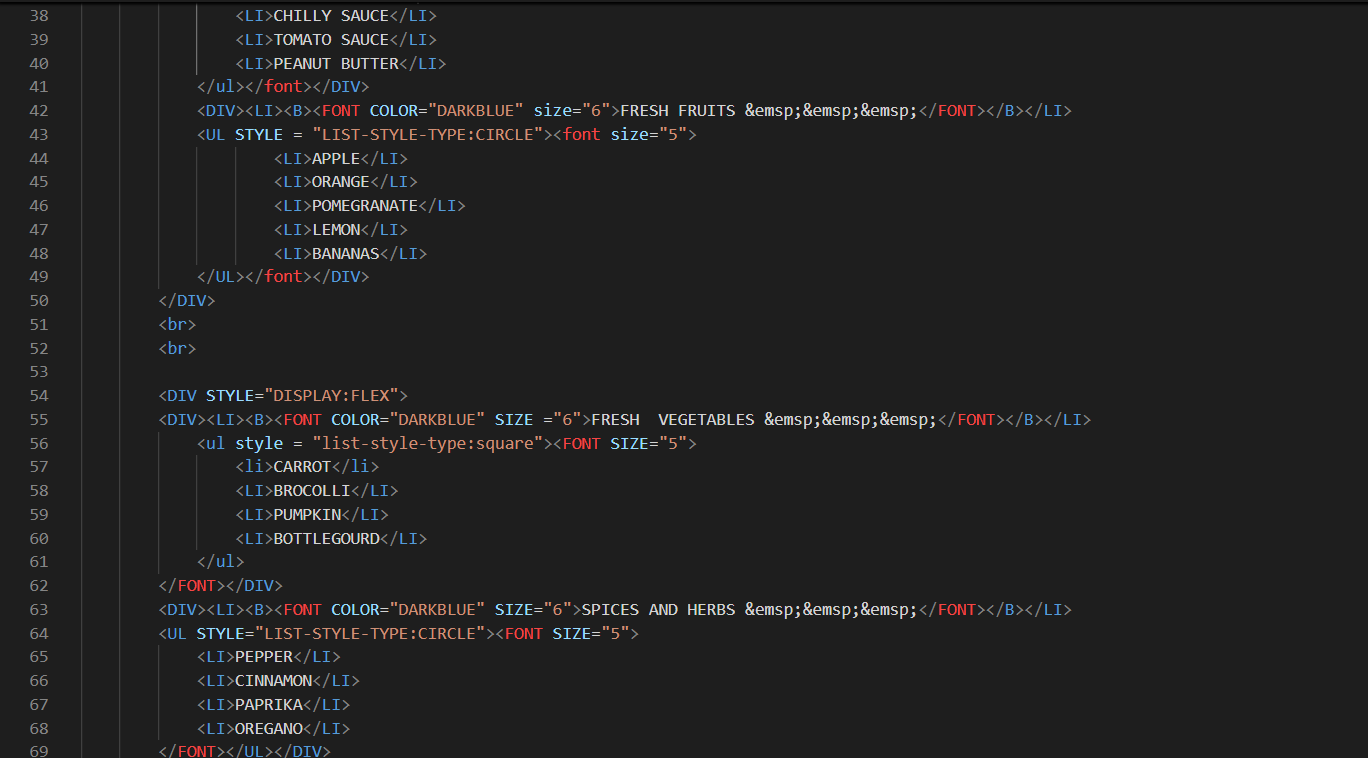
**Coding:**







**Output:**

