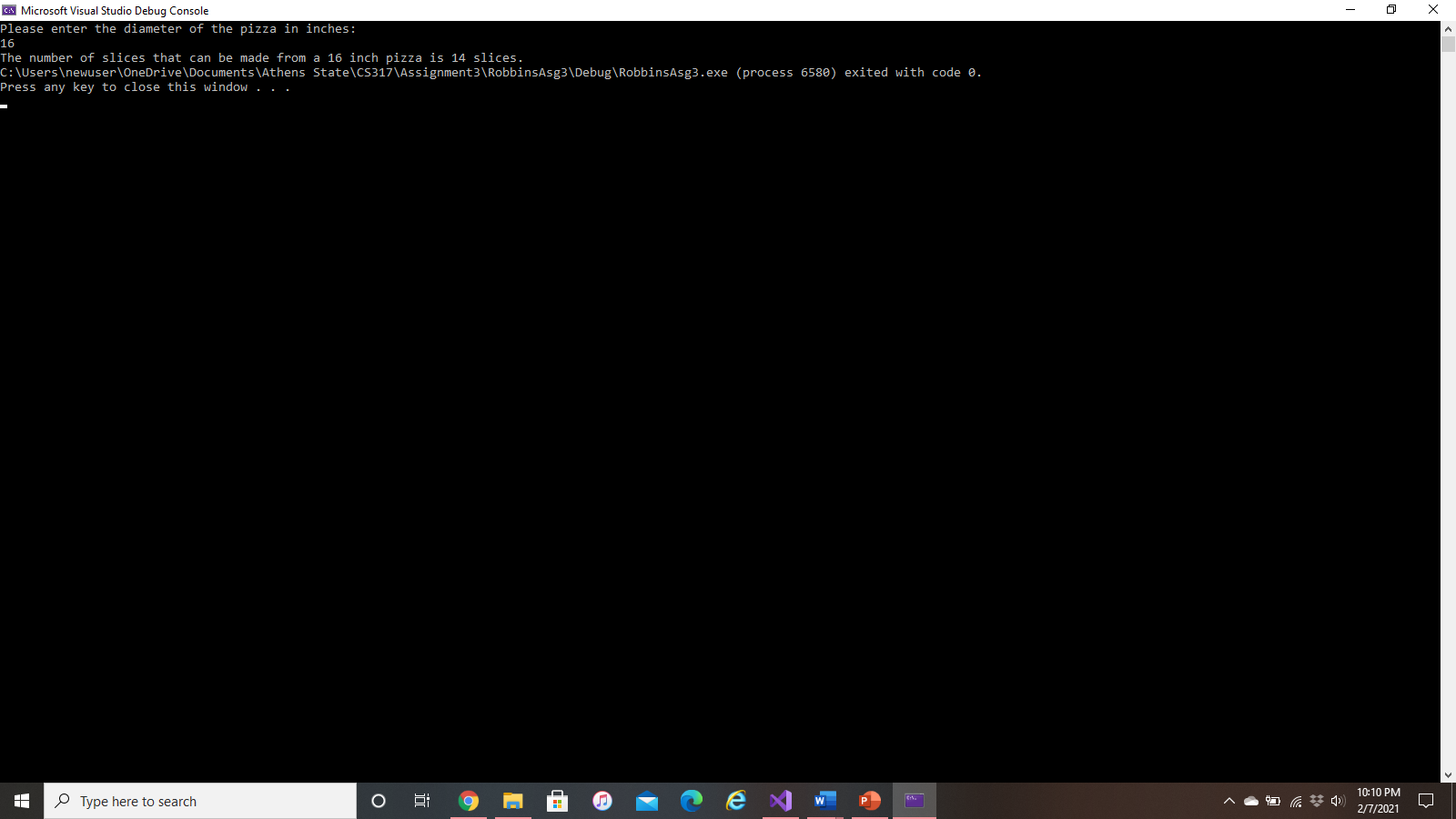
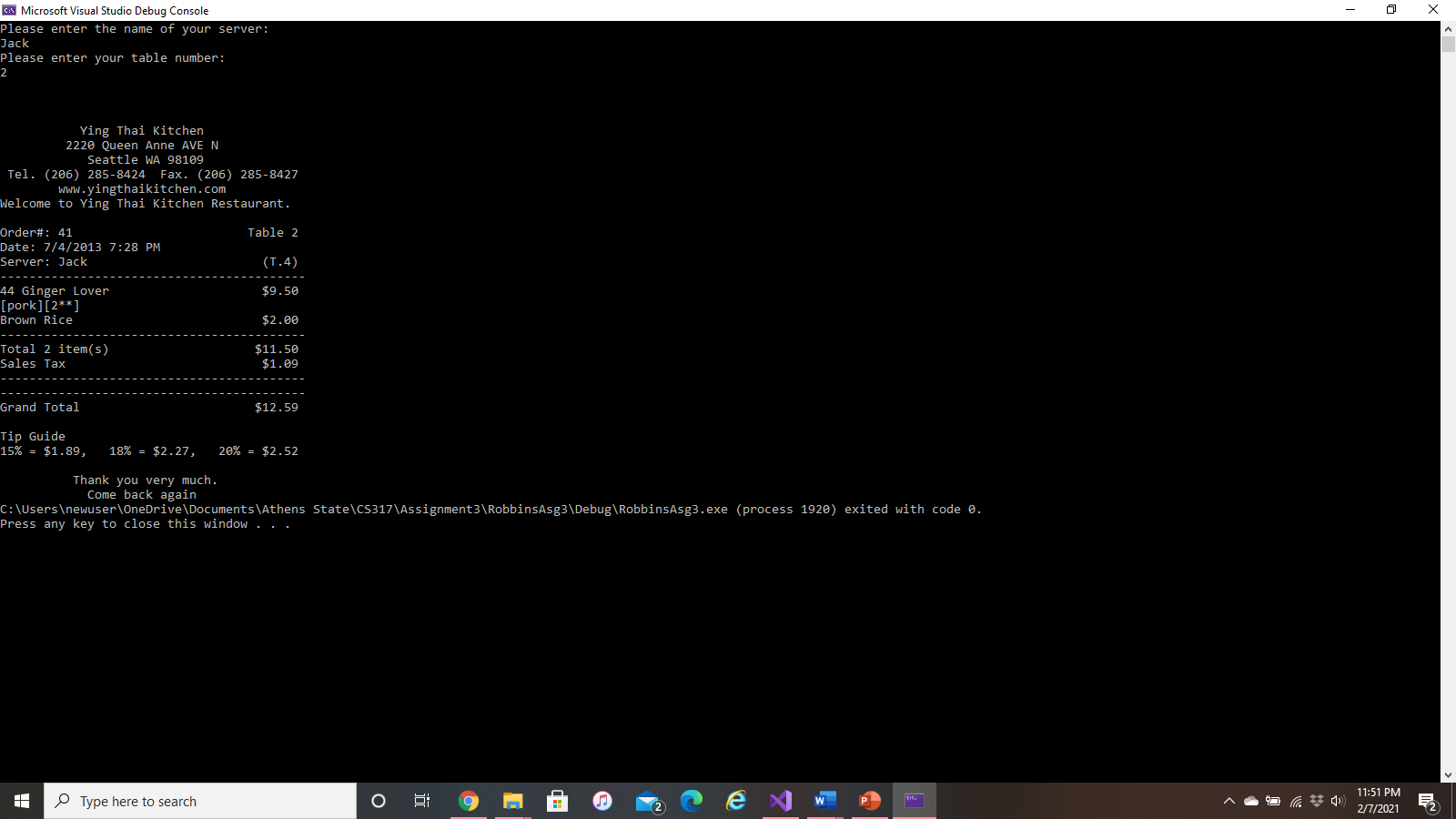
**Problem 1**:

**Problem 2**:

**Problem 3**: