class CustomerAccount:

    def \_\_init\_\_(self, account\_number, first\_name, last\_name, balance=0.0):

        self.account\_number = account\_number

        self.first\_name = first\_name

        self.last\_name = last\_name

        self.balance = balance

    def deposit(self, amount):

        if amount > 0:

            self.balance += amount

            return f"Deposited ${amount}. New balance: ${self.balance}"

        else:

            return "Invalid deposit amount."

    def withdraw(self, amount):

        if amount > 0 and amount <= self.balance:

            self.balance -= amount

            return f"Withdrew ${amount}. New balance: ${self.balance}"

        else:

            return "Invalid withdrawal amount or insufficient funds."

    def get\_account\_info(self):

        return f"Account Number: {self.account\_number}\nName: {self.first\_name} {self.last\_name}\nBalance: ${self.balance}"

# Create customer accounts

account1 = CustomerAccount("001", "John", "Doe", 1000.0)

account2 = CustomerAccount("002", "Jane", "Smith", 500.0)

# Perform transactions

print(account1.deposit(200))

print(account2.withdraw(100))

# Get account information

print("\nAccount 1 Information:")

print(account1.get\_account\_info())

print("\nAccount 2 Information:")

print(account2.get\_account\_info())