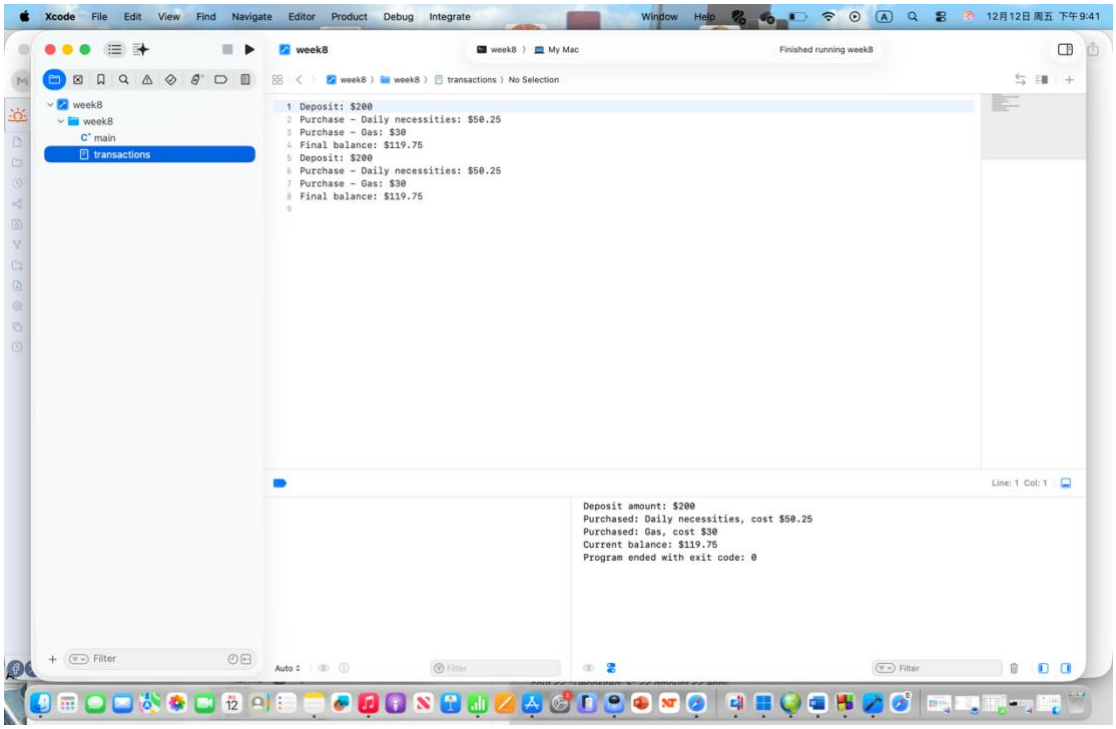
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week8
week8) My Mac
Finished running week8
week8) week8) transactions) No Selection
week8
week8
main
transactions
1 Deposit: $200
2 Purchase - Daily necessities: $50.25
3 Purchase - Gas: $30
4 Final balance: $119.75
5 Deposit: $200
6 Purchase - Daily necessities: $50.25
7 Purchase - Gas: $30
8 Final balance: $119.75
9
Line: 1 Col: 1
Deposit amount: $200
Purchased: Daily necessities, cost $50.25
Purchased: Gas, cost $30
Current balance: $119.75
Program ended with exit code: 0
Filter
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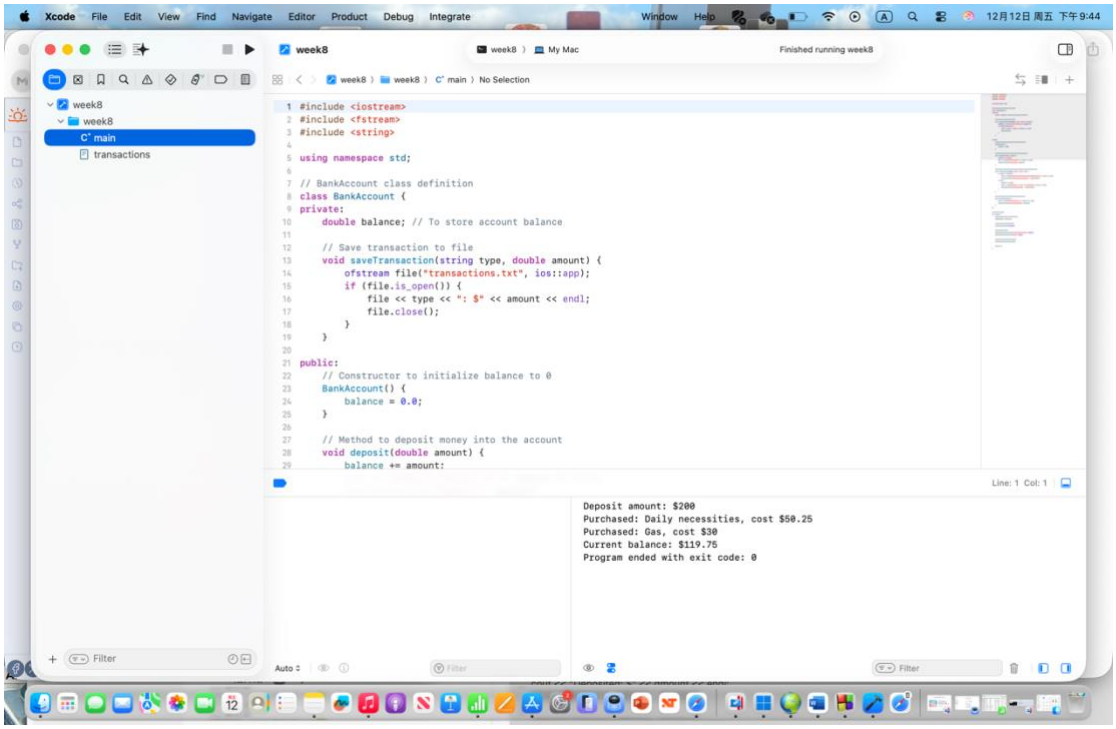
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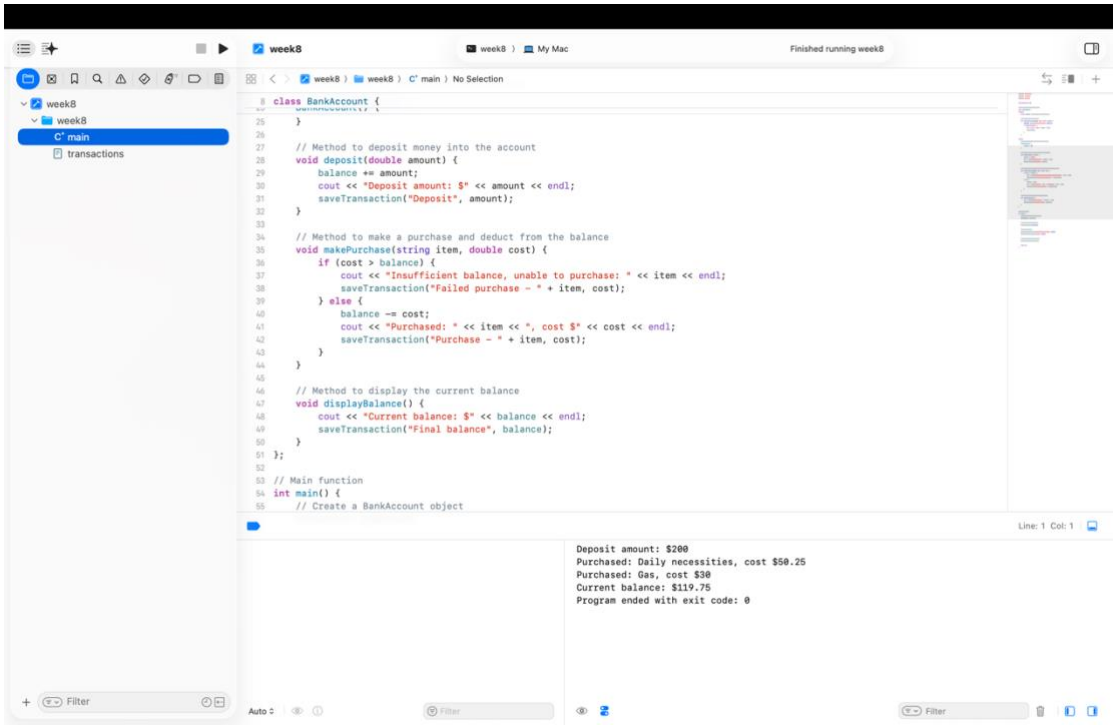
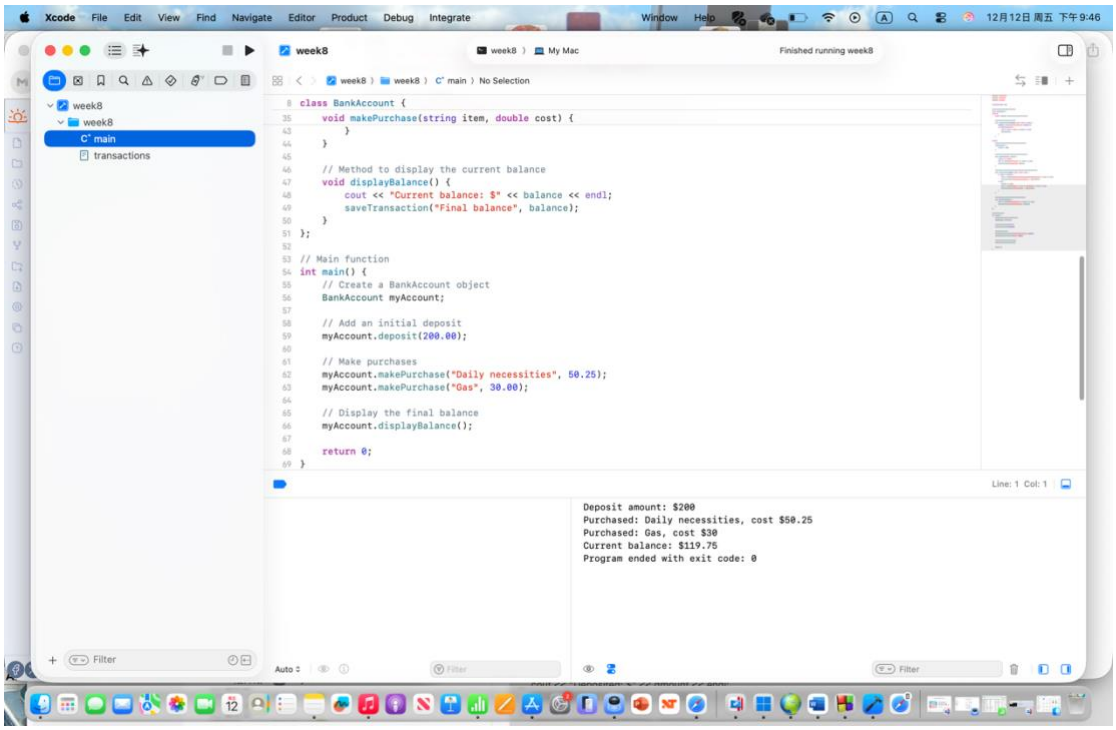
week8
week8) My Mac
Finished running week8
week8) week8) main) No Selection
week8
week8
main
transactions
1 #include <iostream>
2 #include <fstream>
3 #include <string>
4
5 using namespace std;
6
7 // BankAccount class definition
8 class BankAccount {
9 private:
10 double balance; // To store account balance
11
12 // Save transaction to file
13 void saveTransaction(string type, double amount) {
14 ofstream file("transactions.txt", ios::app);
15 if (file.is_open()) {
16 file << type << ": $" << amount << endl;
17 file.close();
18 }
19 }
20
21 public:
22 // Constructor to initialize balance to 0
23 BankAccount() {
24 balance = 0.0;
25 }
26
27 // Method to deposit money into the account
28 void deposit(double amount) {
29 balance += amount;
Line: 1 Col: 1
Deposit amount: $200
Purchased: Daily necessities, cost $50.25
Purchased: Gas, cost $30
Current balance: $119.75
Program ended with exit code: 0
Filter
Auto
Filter
Filter


week8
My Mac
Finished running week8
week8
week8
main
transactions
class BankAccount {
// Method to deposit money into the account
void deposit(double amount) {
balance += amount;
cout << "Deposit amount: $" << amount << endl;
saveTransaction("Deposit", amount);
}
// Method to make a purchase and deduct from the balance
void makePurchase(string item, double cost) {
if (cost > balance) {
cout << "Insufficient balance, unable to purchase: " << item << endl;
saveTransaction("Failed purchase - " + item, cost);
} else {
balance -= cost;
cout << "Purchased: " << item << ", cost $" << cost << endl;
saveTransaction("Purchase - " + item, cost);
}
}
// Method to display the current balance
void displayBalance() {
cout << "Current balance: $" << balance << endl;
saveTransaction("Final balance", balance);
}
};
// Main function
int main() {
// Create a BankAccount object
Line: 1 Col: 1
Deposit amount: $200
Purchased: Daily necessities, cost $50.25
Purchased: Gas, cost $30
Current balance: $119.75
Program ended with exit code: 0
Filter
Auto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12月12日 周五 下午9:46
week8
My Mac
Finished running week8
week8
week8
main
transactions
class BankAccount {
void makePurchase(string item, double cost) {
}
}
// Method to display the current balance
void displayBalance() {
cout << "Current balance: $" << balance << endl;
saveTransaction("Final balance", balance);
}
};
// Main function
int main() {
// Create a BankAccount object
BankAccount myAccount;
// Add an initial deposit
myAccount.deposit(200.00);
// Make purchases
myAccount.makePurchase("Daily necessities", 50.25);
myAccount.makePurchase("Gas", 30.00);
// Display the final balance
myAccount.displayBalance();
return 0;
}
Line: 1 Col: 1
Deposit amount: $200
Purchased: Daily necessities, cost $50.25
Purchased: Gas, cost $30
Current balance: $119.75
Program ended with exit code: 0
Filter
Auto