

Created by: CPP Viewer

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
class BankAccount {
```

```
private:
```

```
string accountHolder;
```

```
int accountNumber;
```

```
double balance;
```

```
public:
```

```
BankAccount(string name, int accNum, double initialBalance) {
```

```
accountHolder = name;
```

```
accountNumber = accNum;
```

```
balance = initialBalance;
```

```
}
```

```
// Function to display account details
```

```
void displayAccountDetails() const {
```

```
cout << "\nAccount Holder: " << accountHolder << endl;
```

```
cout << "Account Number: " << accountNumber << endl;
```

```
cout << "Balance: $" << balance << endl;
```

```
}
```

```
// Function to deposit money
```

```
void deposit(double amount) {
```

```
if (amount > 0) {
```

```
balance += amount;
```

```
cout << "Deposited: $" << amount << endl;
```

```
cout << "New Balance: $" << balance << endl;
```

```
} else {
```

```
cout << "Invalid amount. Please enter a positive amount to deposit." << endl;
```

```
}  
}
```

```
// Function to withdraw money  
void withdraw(double amount) {  
    if (amount > balance) {  
        cout << "Insufficient balance!" << endl;  
    } else if (amount <= 0) {  
        cout << "Invalid amount. Please enter a positive amount to withdraw." << endl;  
    } else {  
        balance -= amount;  
        cout << "Withdrawn: $" << amount << endl;  
        cout << "New Balance: $" << balance << endl;  
    }  
}
```

```
// Function to check balance  
void checkBalance() const {  
    cout << "Current Balance: $" << balance << endl;  
}  
};
```

```
int main() {  
    string name;  
    int accountNumber;  
    double initialBalance;  
  
    cout << "Welcome to Simple Banking System" << endl;  
    cout << "Enter account holder's name: ";  
    getline(cin, name);  
    cout << "Enter account number: ";  
    cin >> accountNumber;  
    cout << "Enter initial deposit amount: $";  
    cin >> initialBalance;
```

```
    BankAccount account(name, accountNumber, initialBalance);
```

```
int choice;  
double amount;
```

```
do {  
    cout << "\nBanking Menu:\n";  
    cout << "1. Display Account Details\n";  
    cout << "2. Deposit Money\n";  
    cout << "3. Withdraw Money\n";  
    cout << "4. Check Balance\n";  
    cout << "5. Exit\n";  
    cout << "Enter your choice: ";  
    cin >> choice;
```

```
    switch (choice) {  
        case 1:  
            account.displayAccountDetails();  
            break;  
        case 2:  
            cout << "Enter amount to deposit: $";  
            cin >> amount;  
            account.deposit(amount);  
            break;  
        case 3:  
            cout << "Enter amount to withdraw: $";  
            cin >> amount;  
            account.withdraw(amount);  
            break;  
        case 4:  
            account.checkBalance();  
            break;  
        case 5:  
            cout << "Thank you for using the Simple Banking System. Goodbye!" << endl;  
            break;  
        default:  
            cout << "Invalid choice. Please try again." << endl;  
    }  
} while (choice != 5);
```

```
return 0;  
}
```