

```

1 #include <iostream>
2 #include "Account.h"
3 using namespace std;
4
5 int main()
6 {
7     Account Bob;
8     cout << "The initial balance is: " << Bob.getBalance() << endl;
9     Bob.credit(1000);
10    cout << "The balance after credit is: " << Bob.getBalance() << endl;
11    Bob.debit(200);
12    cout << "The balance after debit is: " << Bob.getBalance() << endl;
13
14    cout << endl;
15
16    Account John;
17    cout << "The initial balance is: " << John.getBalance() << endl;
18    John.credit(500);
19    cout << "The balance after credit is: " << John.getBalance() << endl;
20    John.debit(1000);
21    cout << "The balance after debit is: " << John.getBalance() << endl;
22
23    return 0;
24 }

```

```

1 #ifndef ACCOUNT_H
2 #define ACCOUNT_H
3
4 class Account{
5     public:
6         Account();
7         void credit(int);
8         void debit(int);
9         int getBalance();
10
11     private:
12         int balance;
13 };
14
15 #endif

```

```

1 #include <iostream>
2 #include "Account.h"
3 using namespace std;
4
5 Account::Account(){
6     cout << "What is the initial balance? : ";
7     cin >> balance;
8
9     if (balance >= 0){
10         ;
11     }
12     else if (balance < 0){
13         balance = 0;
14         cout << "ERROR: The balance is invalid." << endl;
15     }
16 }
17
18 void Account::credit(int amount){
19     balance += amount;
20 }
21
22 void Account::debit(int withdraw){
23     if (balance - withdraw >= 0){
24         balance -= withdraw;
25     }
26     else if (balance - withdraw < 0){
27         cout << "ERROR: Debit amount exceeded account balance." << endl;
28     }
29 }
30
31 int Account::getBalance(){
32     return balance;
33 }
34
35

```

```
What is the initial balance? : 2000
The initial balance is: 2000
The balance after credit is: 3000
The balance after debit is: 2800

What is the initial balance? : -50
ERROR: The balance is invalid.
The initial balance is: 0
The balance after credit is: 500
ERROR: Debit amount exceeded account balance.
The balance after debit is: 500

...Program finished with exit code 0
Press ENTER to exit console.□
```