

```
#include <iostream>
using namespace std;
```

```
class Bank {
public:
    int accno;
    double balance;
    string name;
    void accept();
    void deposit(int accno, int amount);
    void withdraw(int accno, int amount);
    void display();
    Bank();
} a[100];
```

```
int n ;
Bank::Bank()
{
    accno=1;
    balance=100;
    name = "unknown";
}
```

```
void Bank::accept() {
    cout << "Enter name of the depositor: ";
    cin >> name;
    cout << "Enter account number: ";
    cin >> accno;
    cout << "Enter initial balance: ";
    cin >> balance;
}
```

```
void Bank::deposit(int accno, int amount) {
    for (int i = 0; i < n; i++) {
        if (a[i].accno == accno) {
            if (amount > 0) {
                a[i].balance += amount;
                cout << "Deposit successful. New balance: \n" << a[i].balance ;
            } else {
                cout << "Invalid deposit amount.\n" ;
            }
        }
        return;
    }
}
```

```

        cout << "Account not found.\n" ;
    }

    void Bank::withdraw(int accno, int amount) {
        for (int i = 0; i < n; i++) {
            if (a[i].accno == accno) {
                if (amount > a[i].balance) {
                    cout << "Insufficient funds. Withdrawal unsuccessful.\n" ;
                } else if (amount <= 0) {
                    cout << "Invalid withdrawal amount.\n" ;
                } else {
                    a[i].balance -= amount;
                    cout << "Withdrawal successful. New balance:\n " << a[i].balance ;
                }
            }
            return;
        }
    }
    cout << "Account not found.\n" ;
}

```

```

void Bank::display() {

    cout << "\n" << name << "\t" << accno << "\t " << balance ;
    return;
}

```

```

}
int main() {

    int choice;

    cout << "Enter the number of user data you want to insert:\n ";
    cin >> n;
    if (n > 100) {
        cout << "Maximum limit is 100 accounts. Setting to 100.\n";
        n = 100;
    }

    for (int i = 0; i < n; i++) {
        cout << "Enter details for account " << (i + 1) << ":\n ";
        a[i].accept();
    }
}

```

```

do {
    cout << "\nBank System Menu\n";
    cout << "1. Deposit amount\n";
    cout << "2. Withdraw amount\n";
    cout << "3. Display account details\n";
    cout << "4. Exit\n";
    cout << "Enter your choice: ";
    cin >> choice;

    switch (choice) {
        case 1: {
            int accno, amount;
            cout << "Enter account number: ";
            cin >> accno;
            cout << "Enter amount to deposit: ";
            cin >> amount;
            a[0].deposit(accno, amount);
            break;
        }
        case 2: {
            int accno, amount;
            cout << "Enter account number: ";
            cin >> accno;
            cout << "Enter amount to withdraw: ";
            cin >> amount;
            a[0].withdraw(accno, amount);
            break;
        }
        case 3: {

            cout << "Enter the number of user data you want to display:\n ";
            cin >> n;
            cout<<"\n"<<"NAME\tACC NO\tBALANCE";
            for (int i = 0; i < n; i++) {
                a[i].display();
            }
            break;
        }
        case 4:
            return 0;
        default:
            cout << "Invalid choice\n" ;
    }
}

```

```
    } while (choice != 4);  
    return 0;  
}
```