CODE

```cpp
#include <iostream>

#include <string>


using namespace std;


const int MAX_ACCOUNTS = 100; // Maximum number of accounts


class BankAccount {
public:

    string accountHolder;

    int accountNumber;

    int balance;

};


class Bank {
private:

    BankAccount accounts[MAX_ACCOUNTS];

    int accountCount;


public:

    Bank() : accountCount(0) {}


    void openAccount()//this function for the creation of new account

    {

        if (accountCount >= MAX_ACCOUNTS) {

            cout << "Maximum account limit reached!" << endl;

            return;
```

```cpp
    }

    string holder;

    int number;

    int initialDeposit;

    cout << "Enter account holder's name: ";

    cin >> holder;

    cout << "Enter account number: ";

    cin >> number;

    cout << "Enter initial deposit: ";

    cin >> initialDeposit;

    cout << "Account opened successfully!" << endl;
}

void viewAccounts() //like how many account have you made and wants to view
{
    cout << "All Accounts:\n";

}

void deposit()//using this function for the deposit of money
{
    int number;

    int amount;
```

```cpp
        cout << "Enter account number to deposit into: ";

        cin >> number;

        cout<<"Enter amount to deposit: ";

        cin>>amount;

        cout<<"Amount successfully deposit:";


}


void withdraw() {

    int number;

    int amount;

    cout << "Enter account number to withdraw from: ";

    cin >> number;

    cout<<"Enter the amount to withdraw: ";

    cin>>amount;


    cout<<"Amount successfully withdrawal";


}

void searchAccount()//we can search out costumer by using name of costumer

{

    string name;

    int number;

    cout << "Enter account holder's name or account number: ";

    cin >> name;

    cout<<"First register the account:\n";
```

```cpp
            cout<<"   Thank You:\n";

        }

};


int main() {

    Bank bank;

    int choice;


    do {

        cout << "\n--- Bank Account Management System ---\n";

        cout << "1. Open a new account\n";

        cout << "2. View all accounts\n";

        cout << "3. Deposit money\n";

        cout << "4. Withdraw money\n";

        cout << "5. Search for an account\n";

        cout << "6. Exit\n";

        cout << "Choose an option: ";

        cin >> choice;


        switch (choice) {

            case 1: bank.openAccount(); break;

            case 2: bank.viewAccounts(); break;

            case 3: bank.deposit(); break;

            case 4: bank.withdraw(); break;

            case 5: bank.searchAccount(); break;

            case 6: cout << "Exiting the program." << endl; break;

            default: cout << "Invalid option! Please try again." << endl;

        }
```

```
    } while (choice != 6);


    return 0;
}
```