```cpp
#include <iostream>

using namespace std;

class ATM {
private:
    float Balance;
    int pin;

public:
    ATM() {
        Balance = 100.00;
        pin = 0;
    }

    void setPin() {
        cout << "Please set a 4-digit PIN: ";
        cin >> pin;
    }

    bool verifyPin() {
        int entered_pin;
        cout << "Enter your PIN to continue: ";
        cin >> entered_pin;
        if (entered_pin != pin) {
            cout << "Incorrect PIN. Access Denied." << endl;
            return false;
        }
        return true;
    }

    void menu() {
        int option;
        float amount;
        do {
            cout << "\nATM Menu:" << endl;
            cout << "1) Deposit Amount" << endl;
            cout << "2) Withdraw Amount" << endl;
            cout << "3) Balance Inquiry" << endl;
            cout << "4) Exit" << endl;
            cout << "Select an option (1-4): ";
            cin >> option;

            switch(option) {
                case 1:
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                    cout << "Enter amount to deposit: ";
                    cin >> amount;
                    if(amount <= 0) {
                        cout << "Amount must be positive." << endl;
                    } else {
                        Balance += amount;
                        cout << "Deposit successful! New balance: " << Balance <<
endl;
                    }
                    break;
                case 2:
                    cout << "Enter amount to withdraw: ";
                    cin >> amount;
                    if(amount <= 0) {
                        cout << "Amount must be positive." << endl;
                    } else if(amount > Balance) {
                        cout << "Insufficient funds." << endl;
                    } else {
                        Balance -= amount;
                        cout << "Withdrawal successful! New balance: " << Balance
<< endl;
                    }
                    break;
                case 3:
                    cout << "Your current balance is: " << Balance << endl;
                    break;
                case 4:
                    cout << "Thank you for using our ATM!" << endl;
                    break;
                default:
                    cout << "Invalid option selected." << endl;
            }
        } while(option != 4);
    }
};

int main()
{
    cout << "Welcome To SBI ATM" << endl << endl;
    ATM atm;
    atm.setPin();
    if (atm.verifyPin()) {
        atm.menu();
    }
    return 0;
```

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}
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