main.cpp | index.cpp | index.h | transactions.txt

```cpp
1   #include <iostream>
2   #include <string>
3   #include "index.h"
4   #include <fstream>
5
6   using namespace std;
7
8   int main()
9 ▾ {
10  BankAccount obj;
11  obj.Deposit(40);
12  obj.Make_purchase(5);
13  obj.Print_balance();
14
15      return 0;
16  }
17
```

```
Jesus Help Me
Deposited $40 successfully. Balance: 50
Purchase of $1 completed. Balance: 49
Current balance: 49


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

```cpp
1  #include <iostream>
2  #include <string>
3  #include "index.h"
4  #include <fstream>
5
6  using namespace std;
7  void BankAccount::Make_purchase(double amount){
8      if (amount > balance){
9          cout<<"Insufficent balance"<<endl;
10     }
11     else{
12         balance-=amount;
13         cout<< "Purchase of $"<<amount<<" completed." <<" Balance: "<<balance<<endl;
14     }
15     Save_trasaction("Purchase: ",amount);
16  };
17
18  void BankAccount::Deposit(double amount){
19      if (amount <= balance){
20          cout<<"Insufficent balance"<<endl;
21      }
22      else{
23          balance+=amount;
24          cout<<"Deposited $"<<amount<<" successfully."<<" Balance: "<<balance<<endl;
25      }
26      Save_trasaction("Deposit: ",amount);
27  };
28
29  void BankAccount::Print_balance(){
30      cout<<"Current balance: "<<balance<<endl;
31  };
```

```cpp
14        }
15        Save_trasaction("Purchase: ",amount);
16    };
17
18    void BankAccount::Deposit(double amount){
19        if (amount <= balance){
20            cout<<"Insufficent balance"<<endl;
21        }
22        else{
23            balance+=amount;
24            cout<<"Deposited $"<<amount<<" successfully."<<" Balance: "<<balance<<endl;
25        }
26        Save_trasaction("Deposit: ",amount);
27    };
28
29    void BankAccount::Print_balance(){
30        cout<<"Current balance: "<<balance<<endl;
31    };
32
33    void BankAccount::Save_trasaction(string action, double amount){
34        ofstream file("transactions.txt", ios::app);//adds new line to the list
35        if (file.is_open()){
36            file<<action<<" of $ "<<amount<<" Current balance: $" << balance << endl;
37
38         file.close();
39        }
40        else{
41            cout<<"Could not open the file"<<endl;
42        }
43    };
44
```

```
 1   #include <string>
 2   using namespace std;
 3
 4   class BankAccount{
 5       public:
 6       double balance=10;
 7       void Make_purchase(double amount);
 8       void Deposit(double amount);
 9       void Save_trasaction(string action, double amount);
10       void Print_balance();
11   };
```

in

```
Deposited $40 successfully. Balance: 50
Purchase of $5 completed. Balance: 45
Current balance: 45


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

```
 1   Deposit:   of $ 40 Current balance: $50
 2   Purchase:  of $ 1 Current balance: $49
 3   Deposit:   of $ 40 Current balance: $50
 4   Purchase:  of $ 5 Current balance: $45
 5   Deposit:   of $ 100 Current balance: $110
 6   Purchase:  of $ 51 Current balance: $59
 7
```

```
Deposited $100 successfully. Balance: 110
Purchase of $51 completed. Balance: 59
Current balance: 59


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