

My Money Tracker

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Problem Statement

The application is basically a diary which keeps track of your money, from where it comes and where it goes. It also tabulates your expenses to give a better knowledge to the user on his spending habits so that the user can regulate his money flow properly.

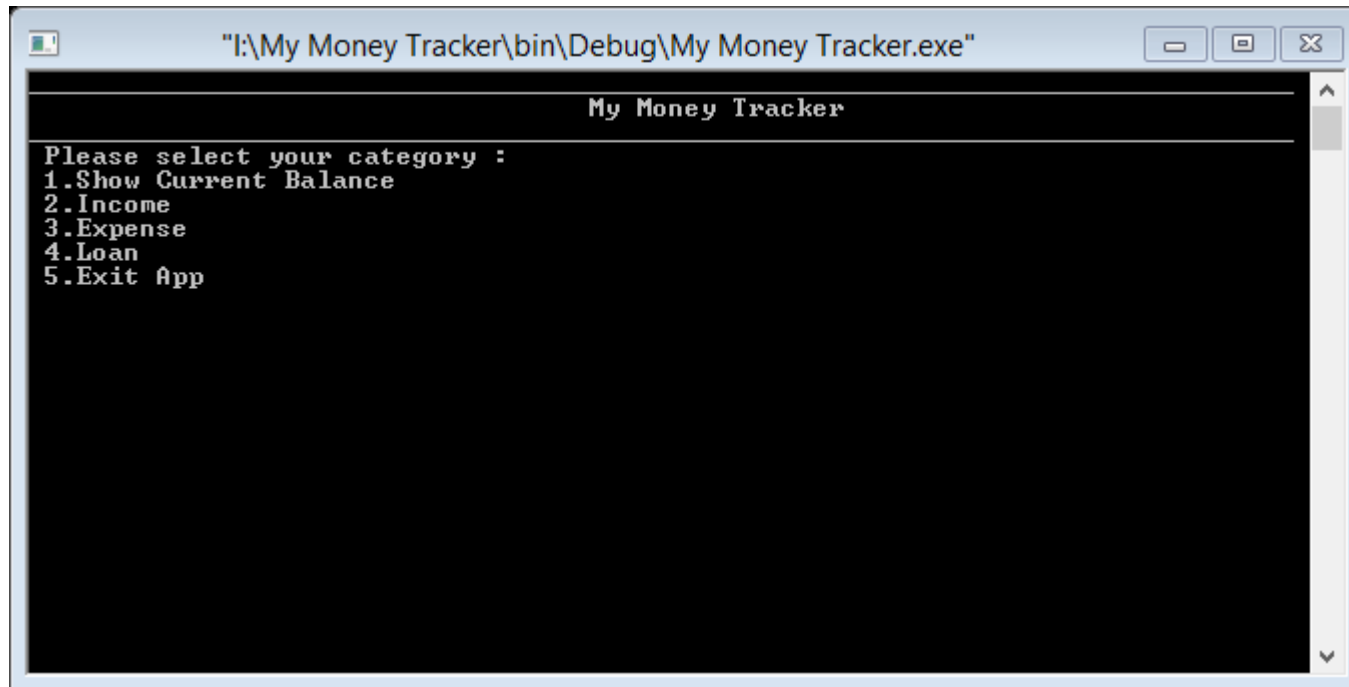
Income listings

Expense tabulation

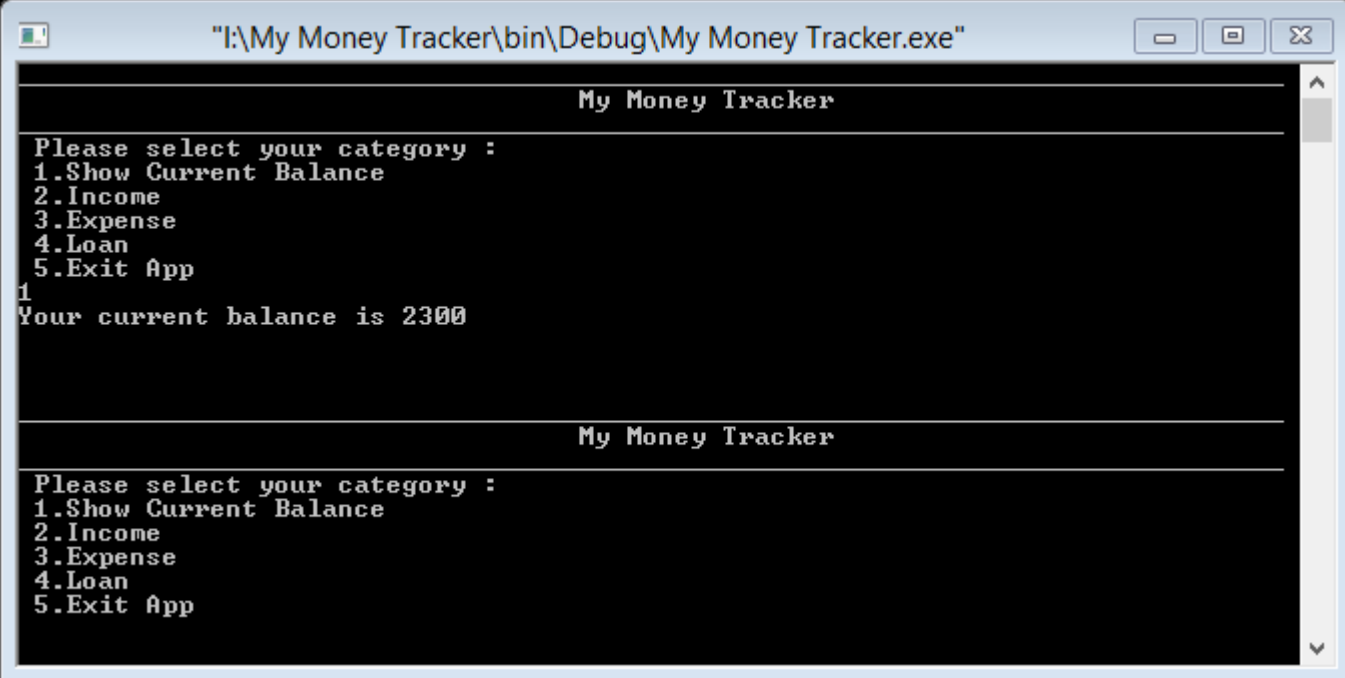
Loan tracking

Working of the App

The home screen of the app when it opens



Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The window contains a black console area with white text. The text is divided into two sections by a horizontal line. The top section displays a menu titled "My Money Tracker" followed by "Please select your category :" and a list of options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App". Below this menu, the number "1" is entered, and the text "Your current balance is 2300" is displayed. The bottom section repeats the same menu and options. A vertical scrollbar is visible on the right side of the console area.

```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

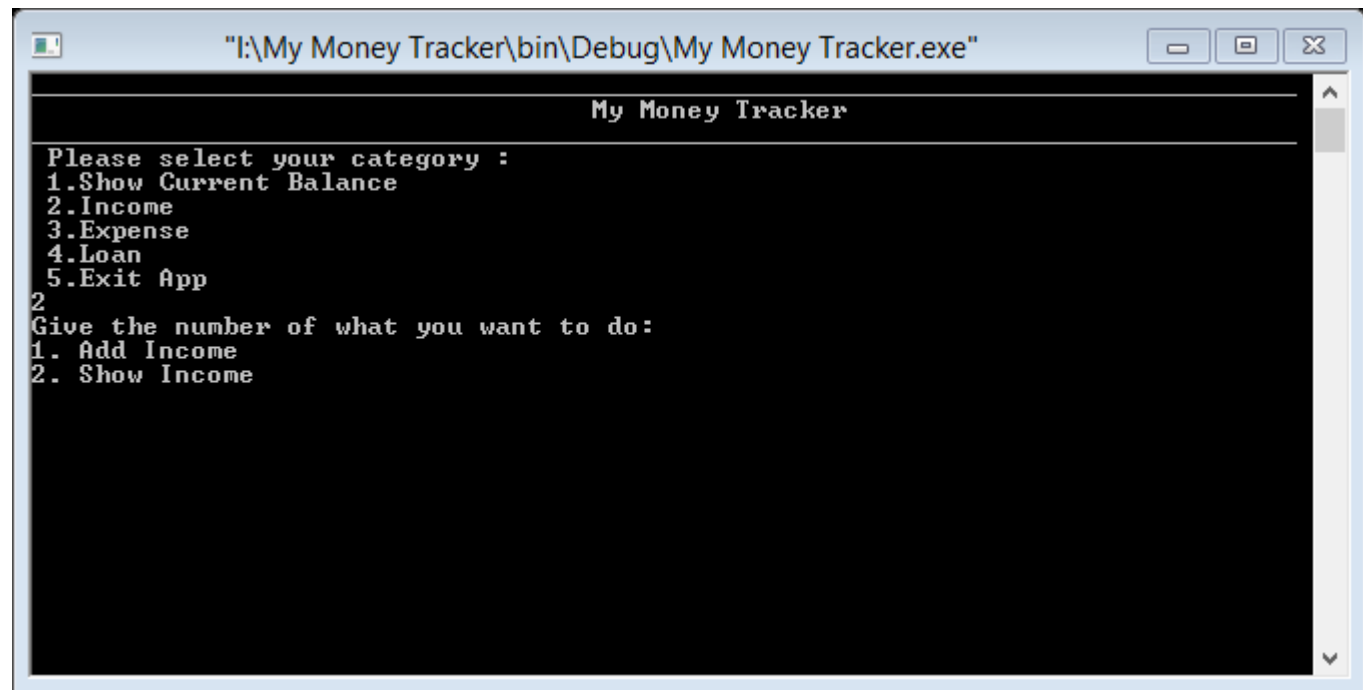
My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
1
Your current balance is 2300

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
```

Working of the App



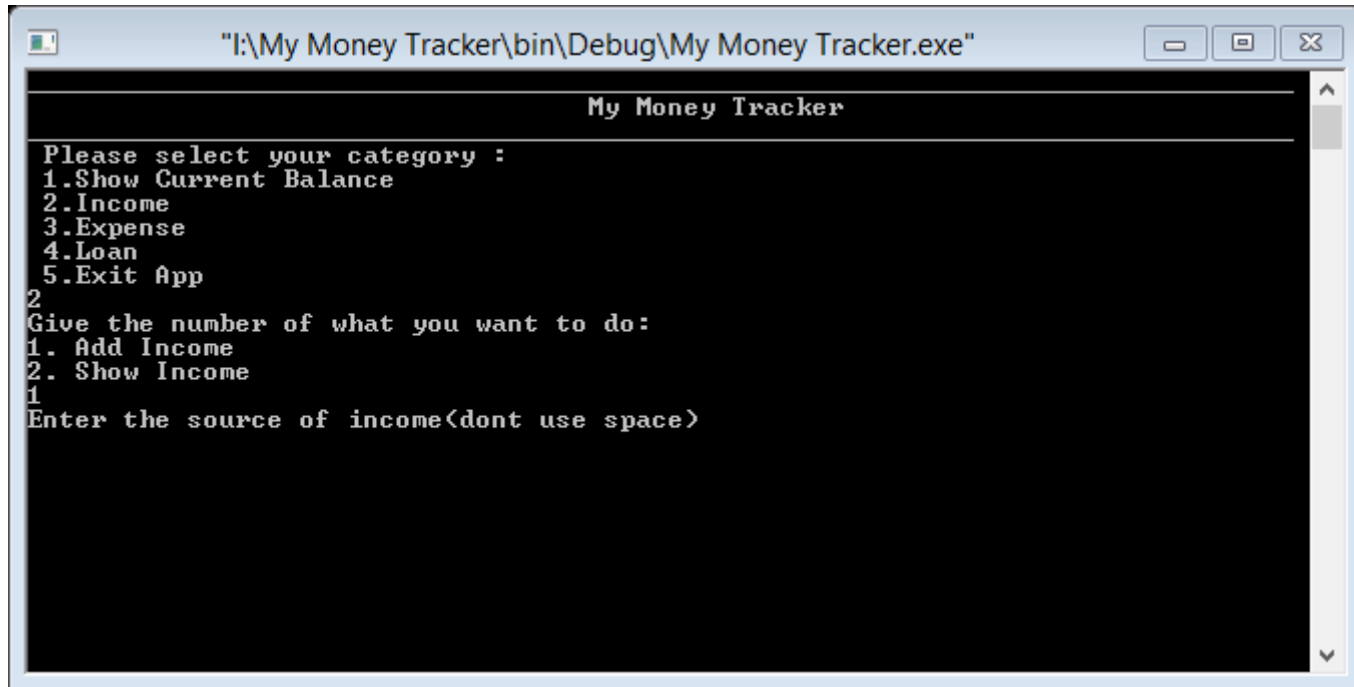
The screenshot shows a Windows application window with the title bar text "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The window contains a black console area with white text. The text displays the application's title "My Money Tracker" followed by a menu prompt "Please select your category :". The menu lists five options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App". Below this, the number "2" is entered, followed by the prompt "Give the number of what you want to do:". A sub-menu is then displayed with two options: "1. Add Income" and "2. Show Income".

```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
2
Give the number of what you want to do:
1. Add Income
2. Show Income
```

Working of the App

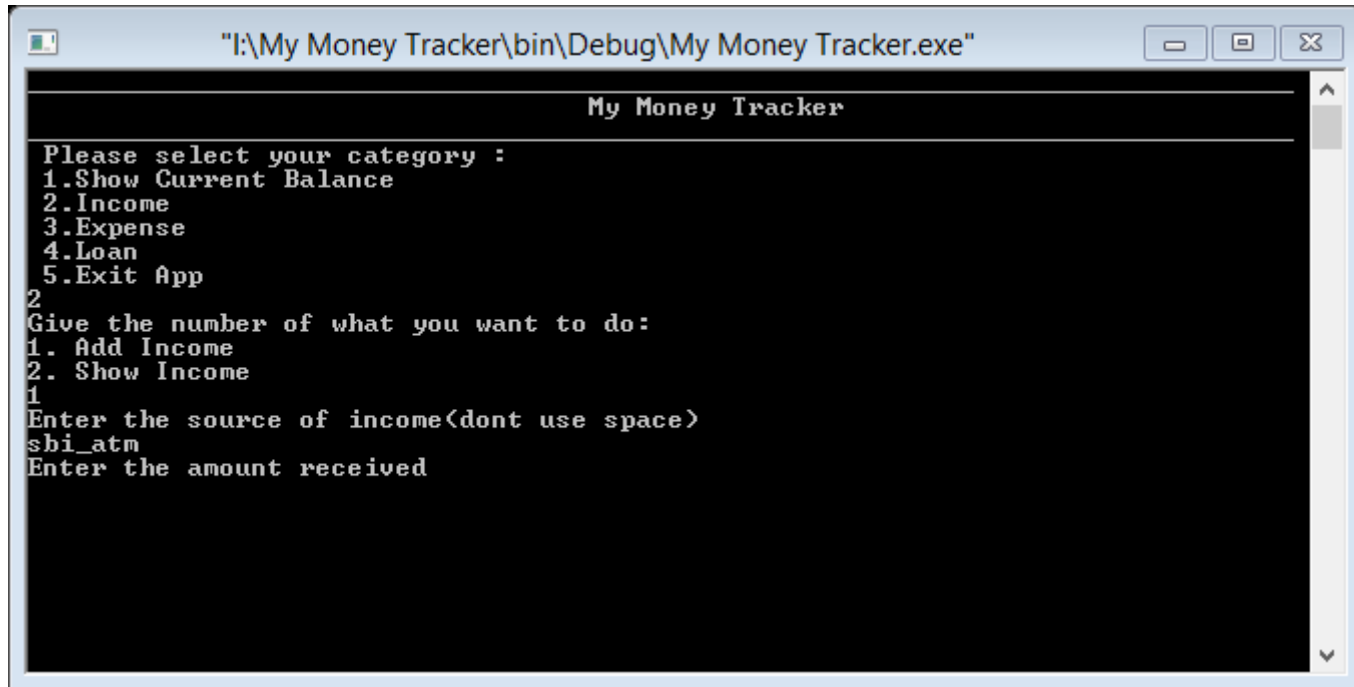


```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
2
Give the number of what you want to do:
1. Add Income
2. Show Income
1
Enter the source of income(dont use space)
```

Working of the App

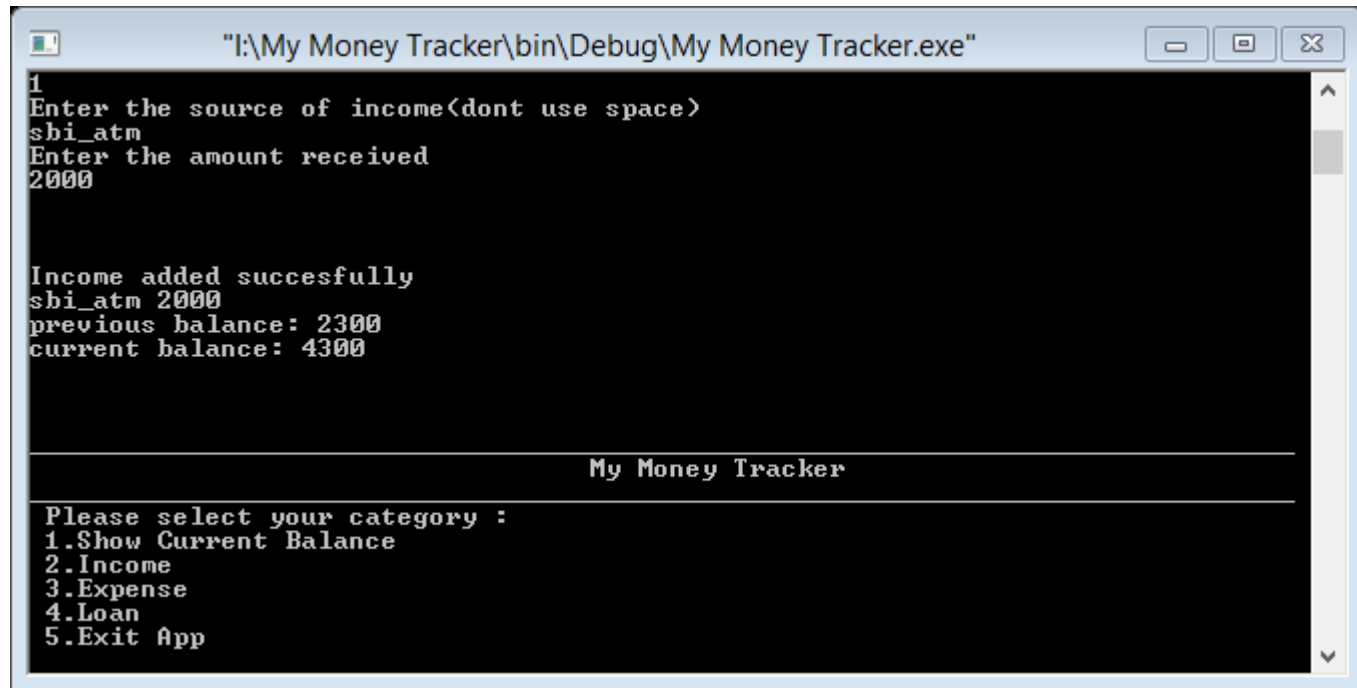


```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
2
Give the number of what you want to do:
1. Add Income
2. Show Income
1
Enter the source of income(dont use space)
sbi_atm
Enter the amount received
```

Working of the App



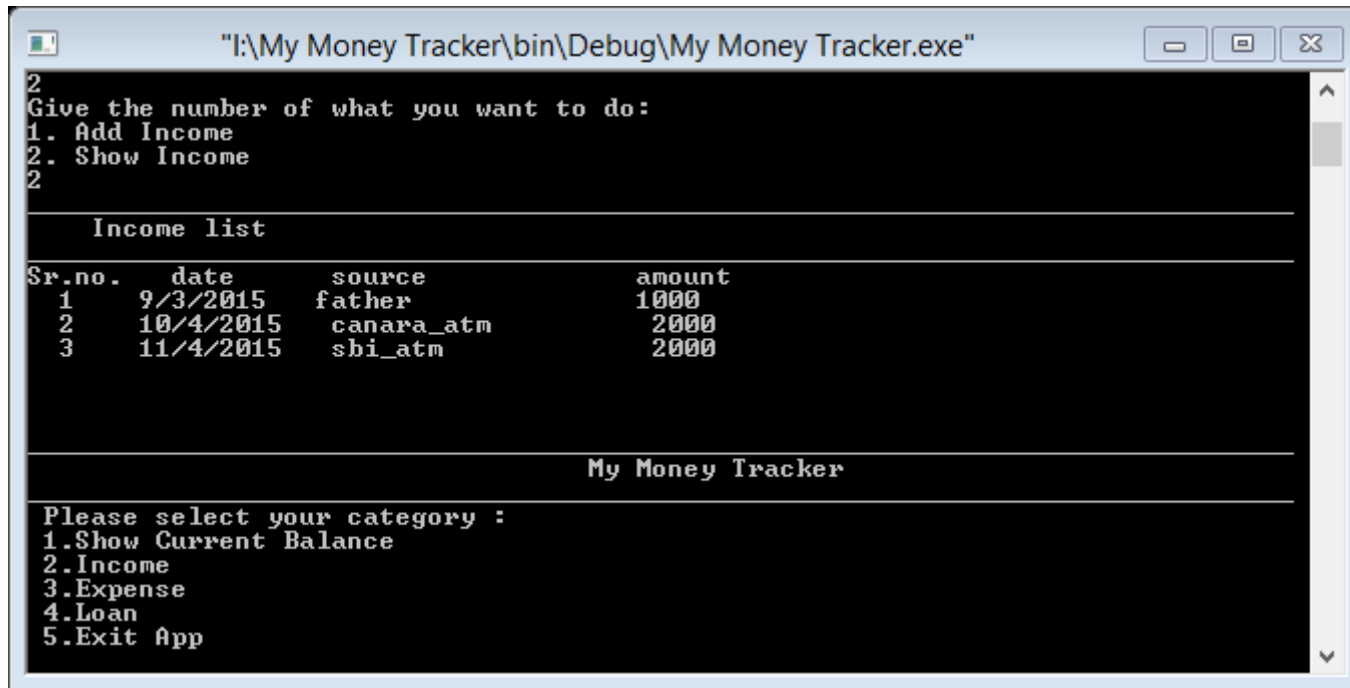
```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
1
Enter the source of income<dont use space>
sbi_atm
Enter the amount received
2000

Income added succesfully
sbi_atm 2000
previous balance: 2300
current balance: 4300

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
```


Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
2
Give the number of what you want to do:
1. Add Income
2. Show Income
2

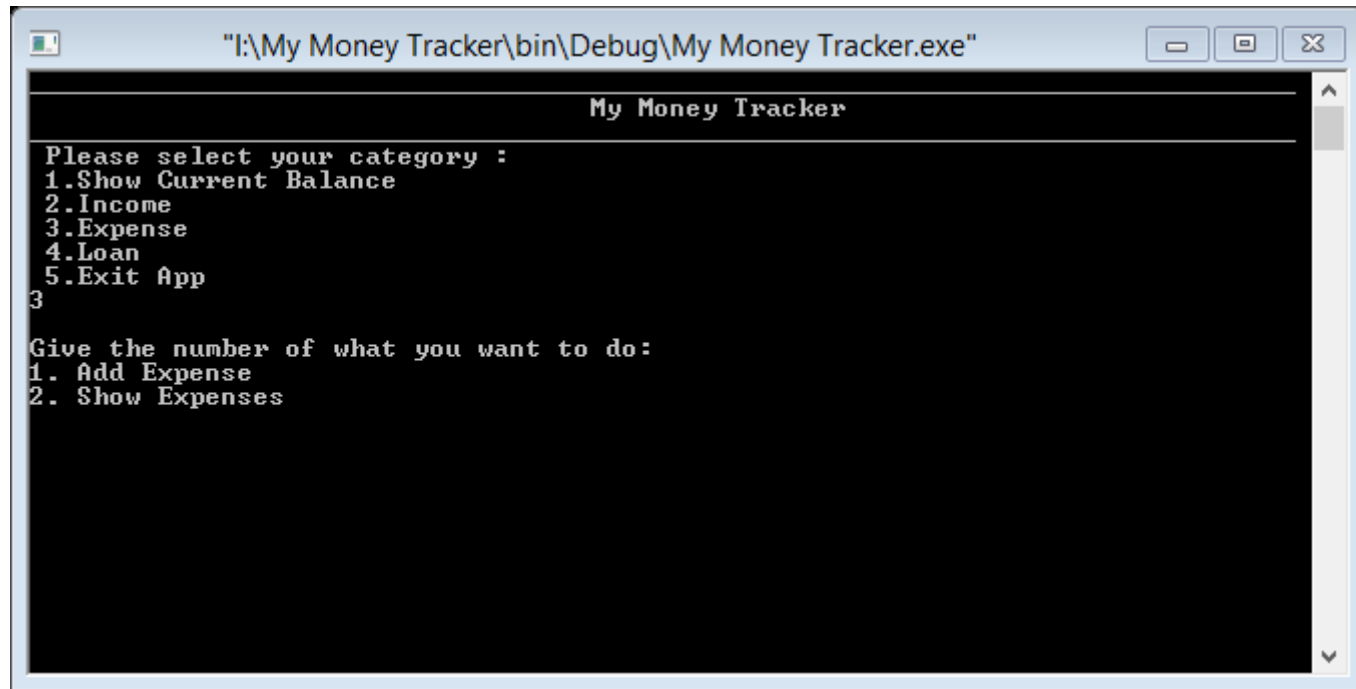
Income list

Sr.no.   date       source      amount
1        9/3/2015   father      1000
2        10/4/2015  canara_atm   2000
3        11/4/2015  sbi_atm     2000

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The window has a standard Windows title bar with minimize, maximize, and close buttons. The application content is displayed on a black background with white text. At the top, the title "My Money Tracker" is centered. Below it, the prompt "Please select your category :" is followed by a list of five options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App". The number "3" is entered on the line following the list. Below this, the prompt "Give the number of what you want to do:" is followed by a list of two options: "1. Add Expense" and "2. Show Expenses". A vertical scrollbar is visible on the right side of the application window.

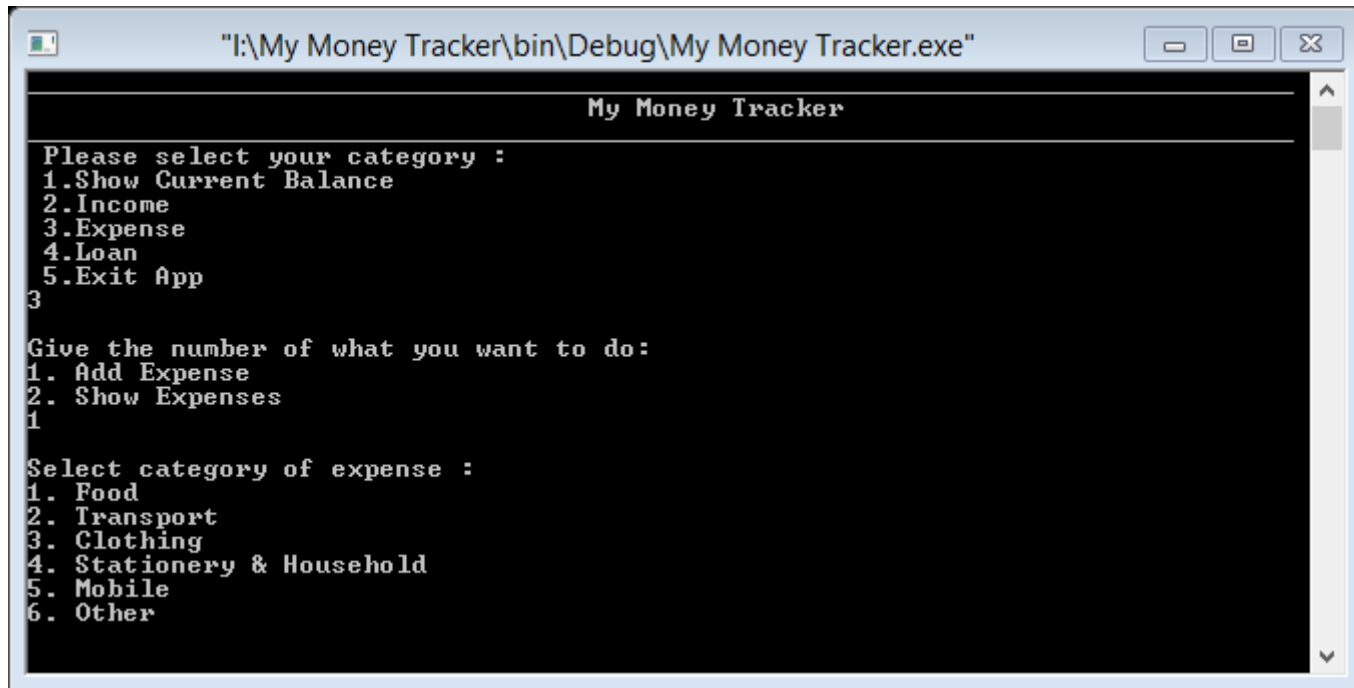
```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
3

Give the number of what you want to do:
1. Add Expense
2. Show Expenses
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

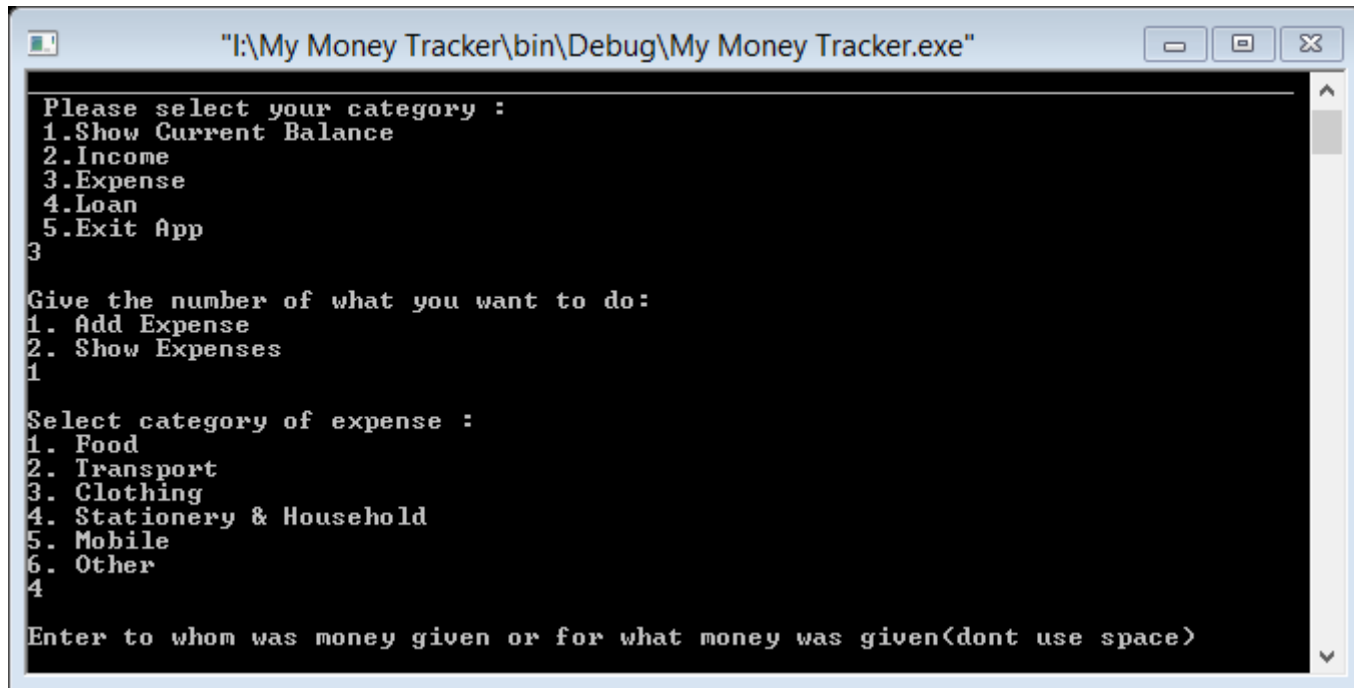
My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
3

Give the number of what you want to do:
1. Add Expense
2. Show Expenses
1

Select category of expense :
1. Food
2. Transport
3. Clothing
4. Stationery & Household
5. Mobile
6. Other
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

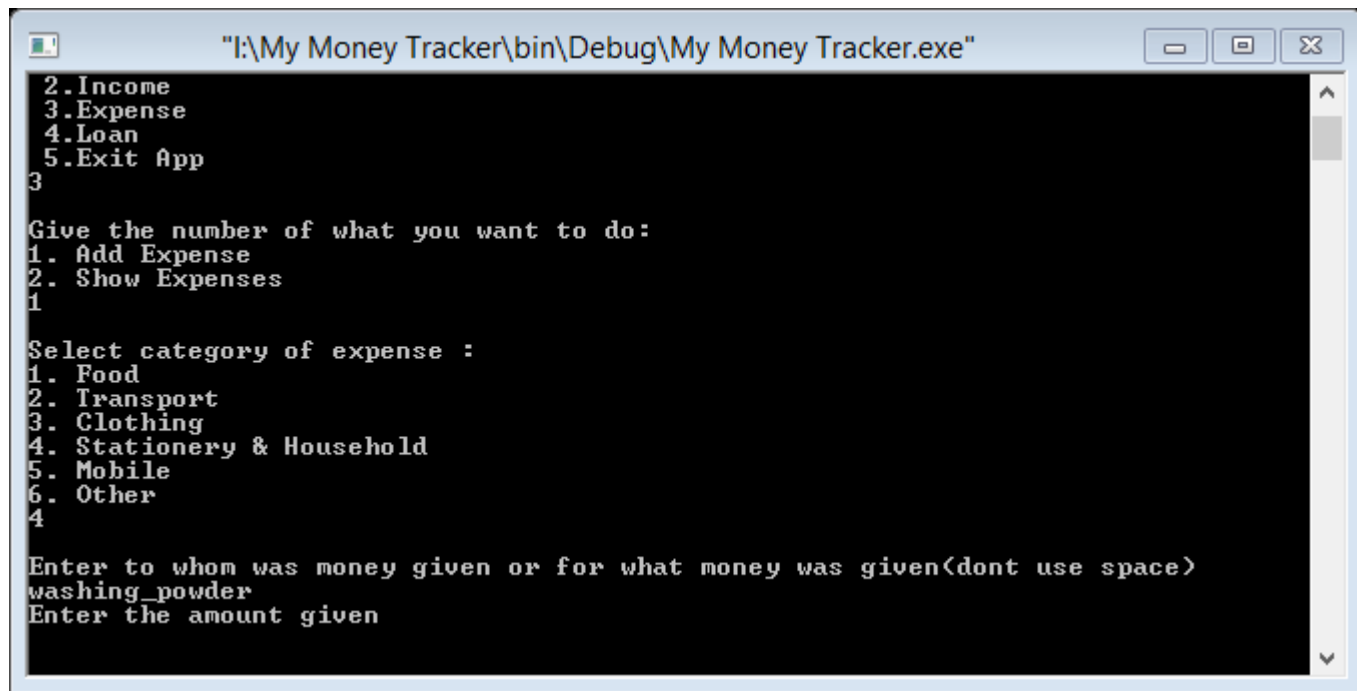
Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
3

Give the number of what you want to do:
1. Add Expense
2. Show Expenses
1

Select category of expense :
1. Food
2. Transport
3. Clothing
4. Stationery & Household
5. Mobile
6. Other
4

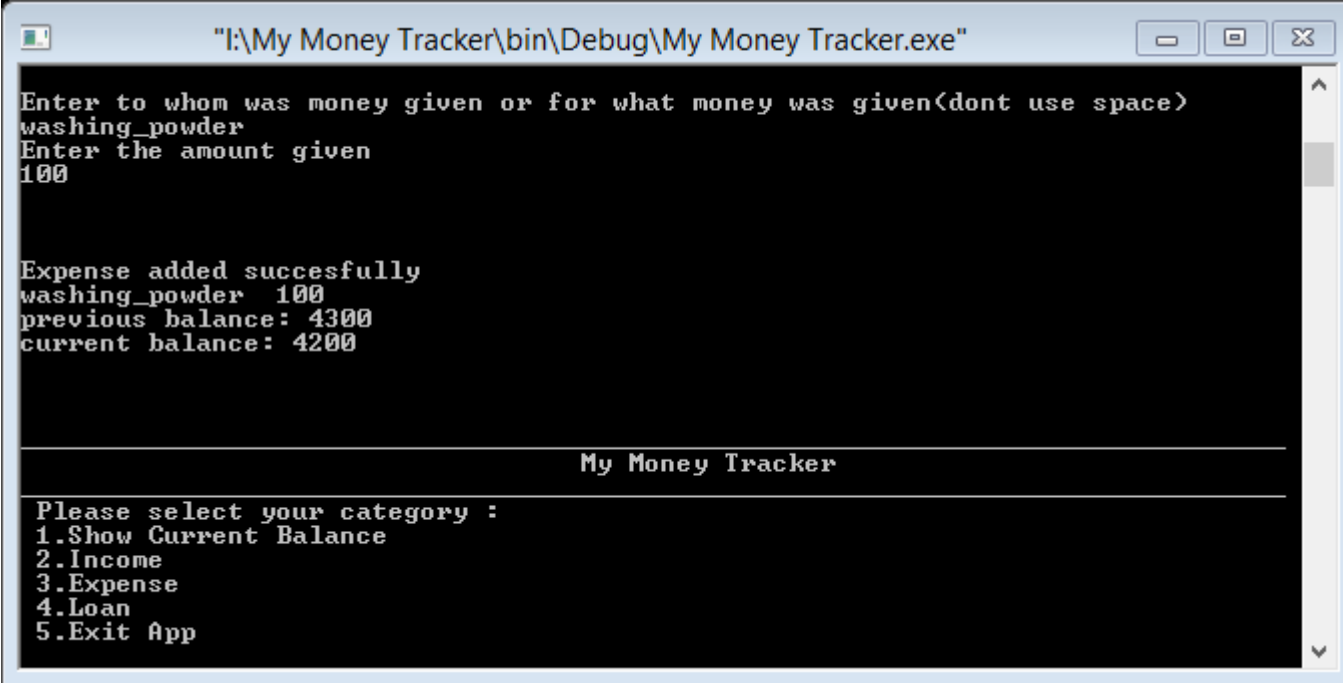
Enter to whom was money given or for what money was given(dont use space)
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
2.Income
3.Expense
4.Loan
5.Exit App
3
Give the number of what you want to do:
1. Add Expense
2. Show Expenses
1
Select category of expense :
1. Food
2. Transport
3. Clothing
4. Stationery & Household
5. Mobile
6. Other
4
Enter to whom was money given or for what money was given(dont use space)
washing_powder
Enter the amount given
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

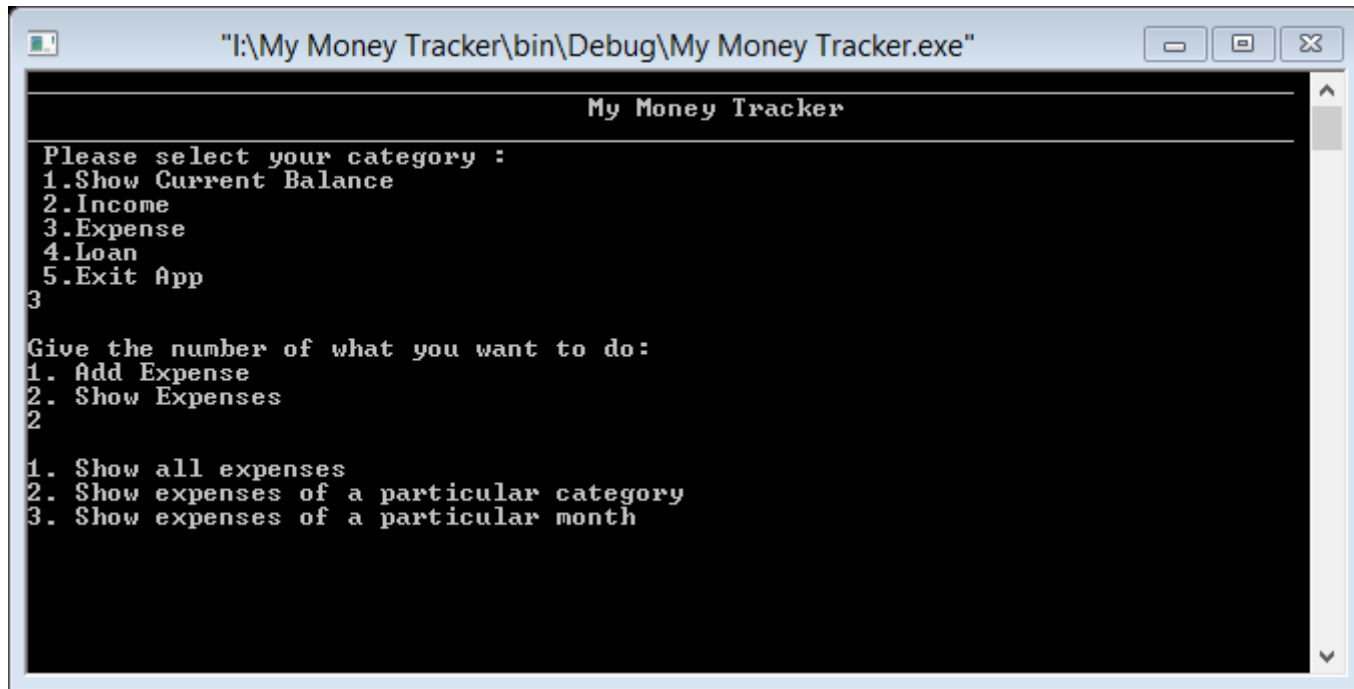
Enter to whom was money given or for what money was given(dont use space)
washing_powder
Enter the amount given
100

Expense added succesfully
washing_powder 100
previous balance: 4300
current balance: 4200

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

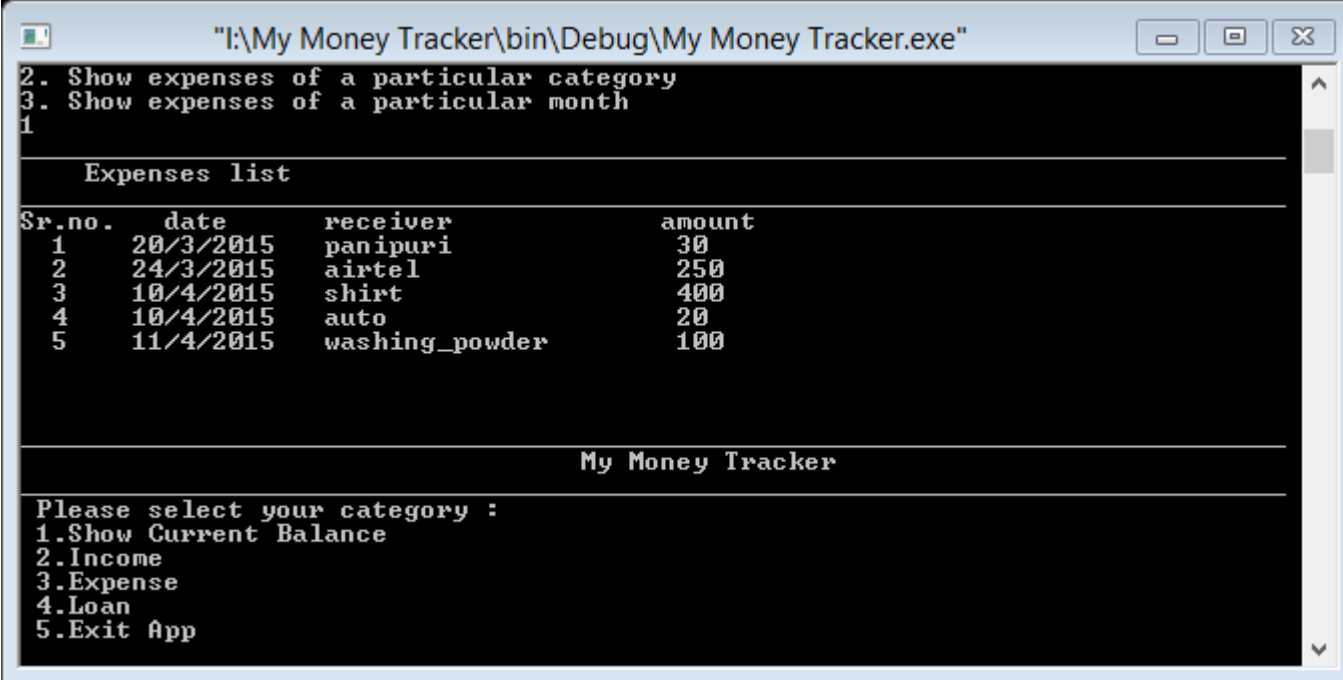
My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
3

Give the number of what you want to do:
1. Add Expense
2. Show Expenses
2

1. Show all expenses
2. Show expenses of a particular category
3. Show expenses of a particular month
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The window has a black background with white text. At the top, there is a menu with three options: "2. Show expenses of a particular category", "3. Show expenses of a particular month", and "1". Below the menu, there is a section titled "Expenses list" which contains a table with four columns: "Sr.no.", "date", "receiver", and "amount". The table lists five expenses. Below the table, there is a section titled "My Money Tracker" which contains a prompt "Please select your category :" followed by a list of five options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App".

```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
2. Show expenses of a particular category
3. Show expenses of a particular month
1

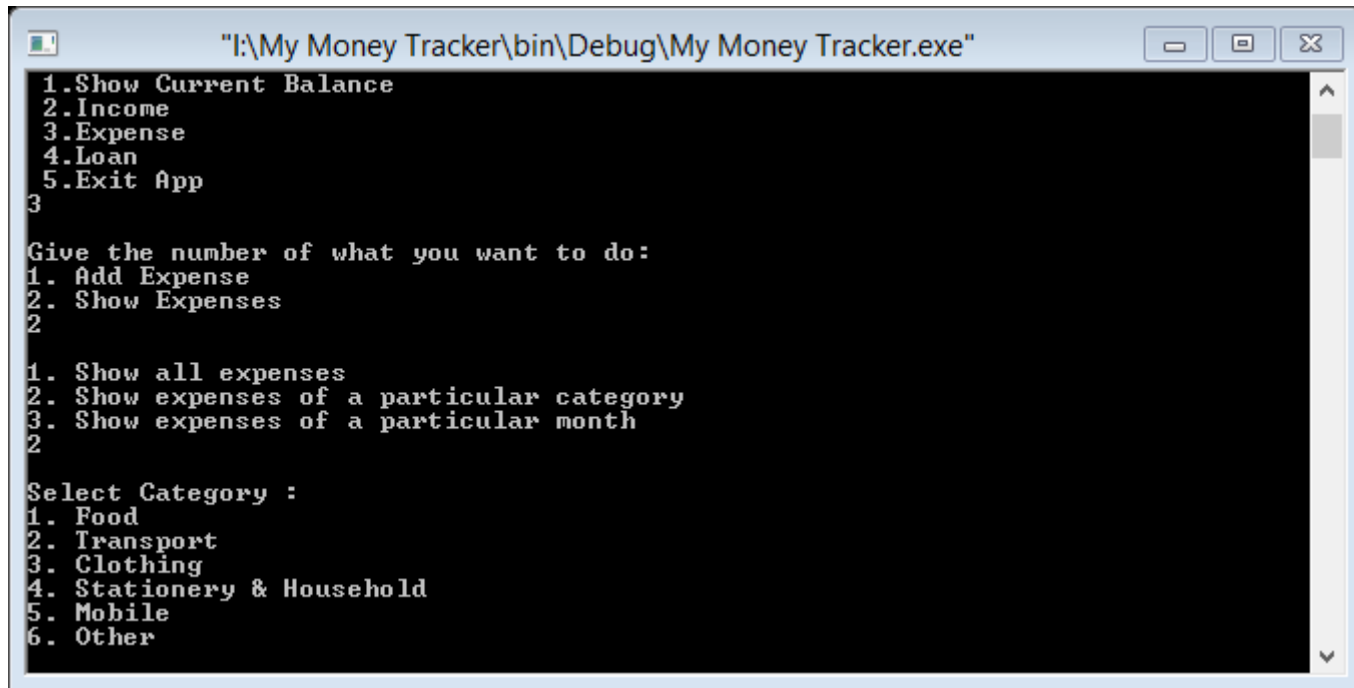
Expenses list

Sr.no.   date       receiver      amount
1        20/3/2015   panipuri      30
2        24/3/2015   airtel        250
3        10/4/2015   shirt         400
4        10/4/2015   auto          20
5        11/4/2015   washing_powder 100

My Money Tracker

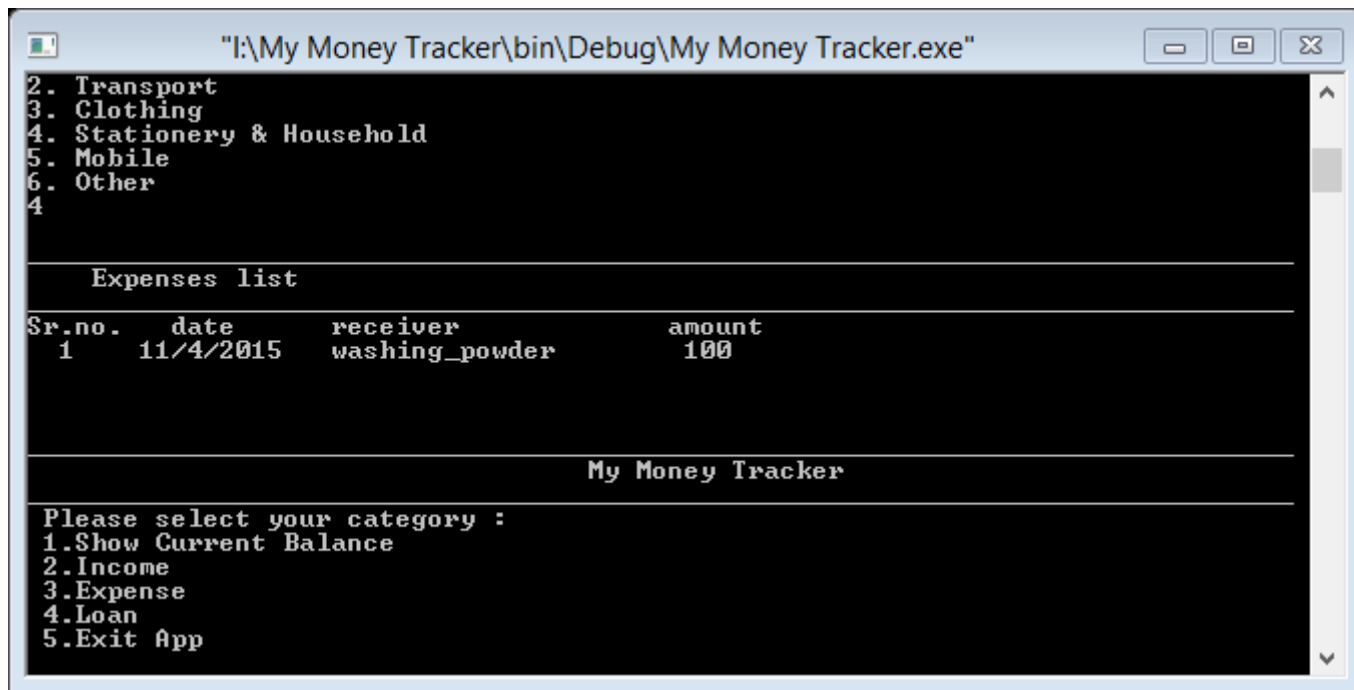
Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
```


Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
3
Give the number of what you want to do:
1. Add Expense
2. Show Expenses
2
1. Show all expenses
2. Show expenses of a particular category
3. Show expenses of a particular month
2
Select Category :
1. Food
2. Transport
3. Clothing
4. Stationery & Household
5. Mobile
6. Other
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
```

2. Transport
3. Clothing
4. Stationery & Household
5. Mobile
6. Other
4

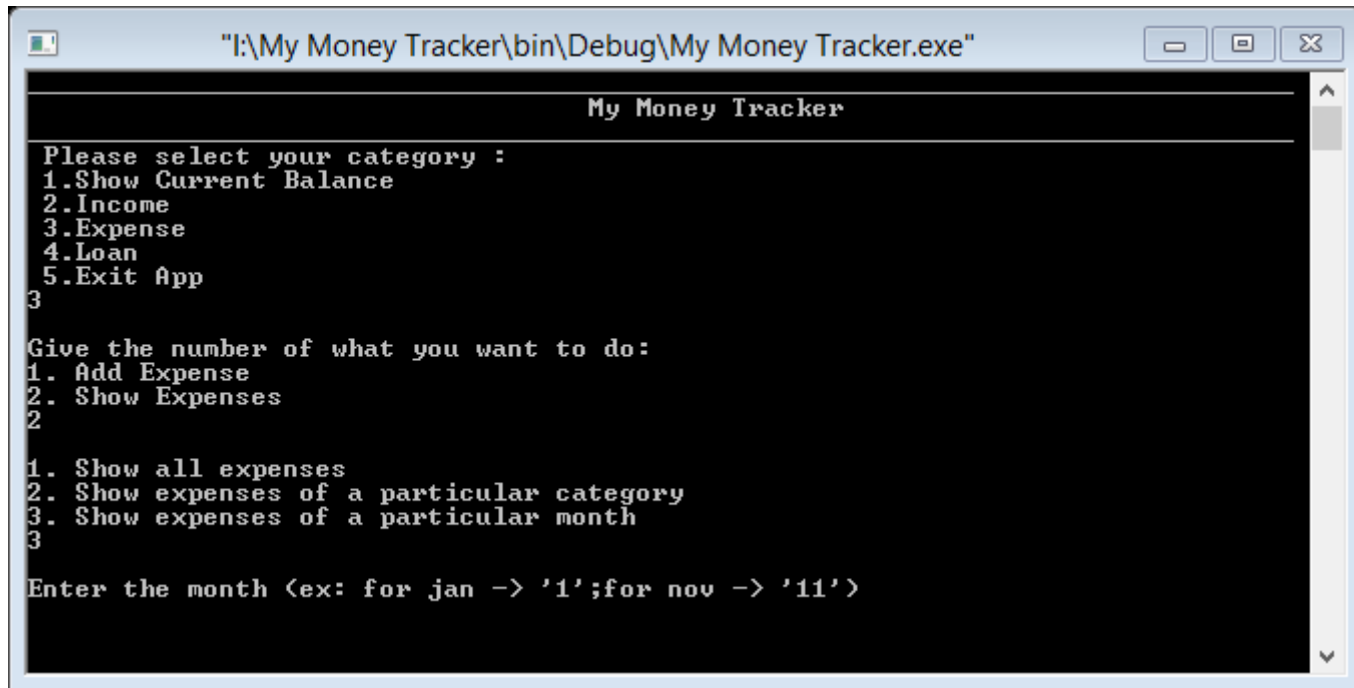
Expenses list

| Sr.no. | date | receiver | amount |
|--------|-----------|----------------|--------|
| 1 | 11/4/2015 | washing_powder | 100 |

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

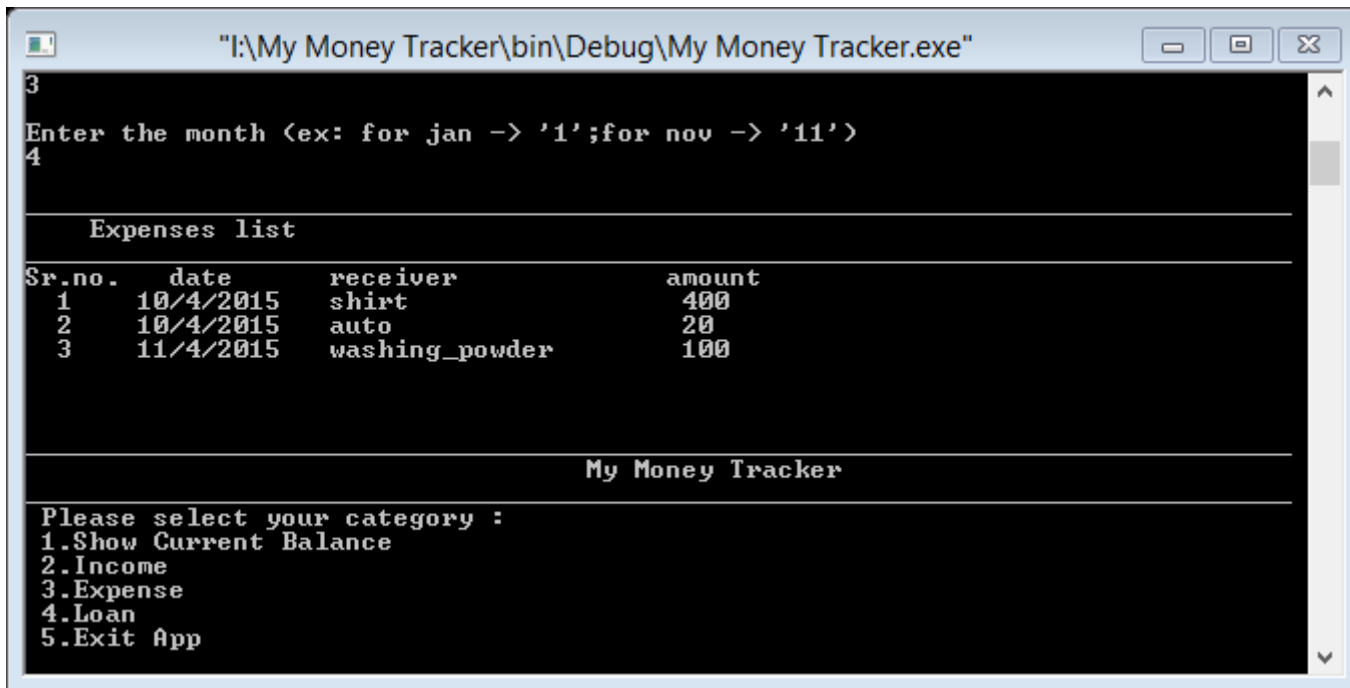
Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
3

Give the number of what you want to do:
1. Add Expense
2. Show Expenses
2

1. Show all expenses
2. Show expenses of a particular category
3. Show expenses of a particular month
3

Enter the month <ex: for jan -> '1';for nov -> '11'>
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The application is running in a console-like interface with a black background and white text. It displays an "Expenses list" table with columns for Sr.no., date, receiver, and amount. Below the table, it prompts the user to "Please select your category :" and lists five options: 1.Show Current Balance, 2.Income, 3.Expense, 4.Loan, and 5.Exit App.

```
3
Enter the month <ex: for jan -> '1';for nov -> '11'>
4
```

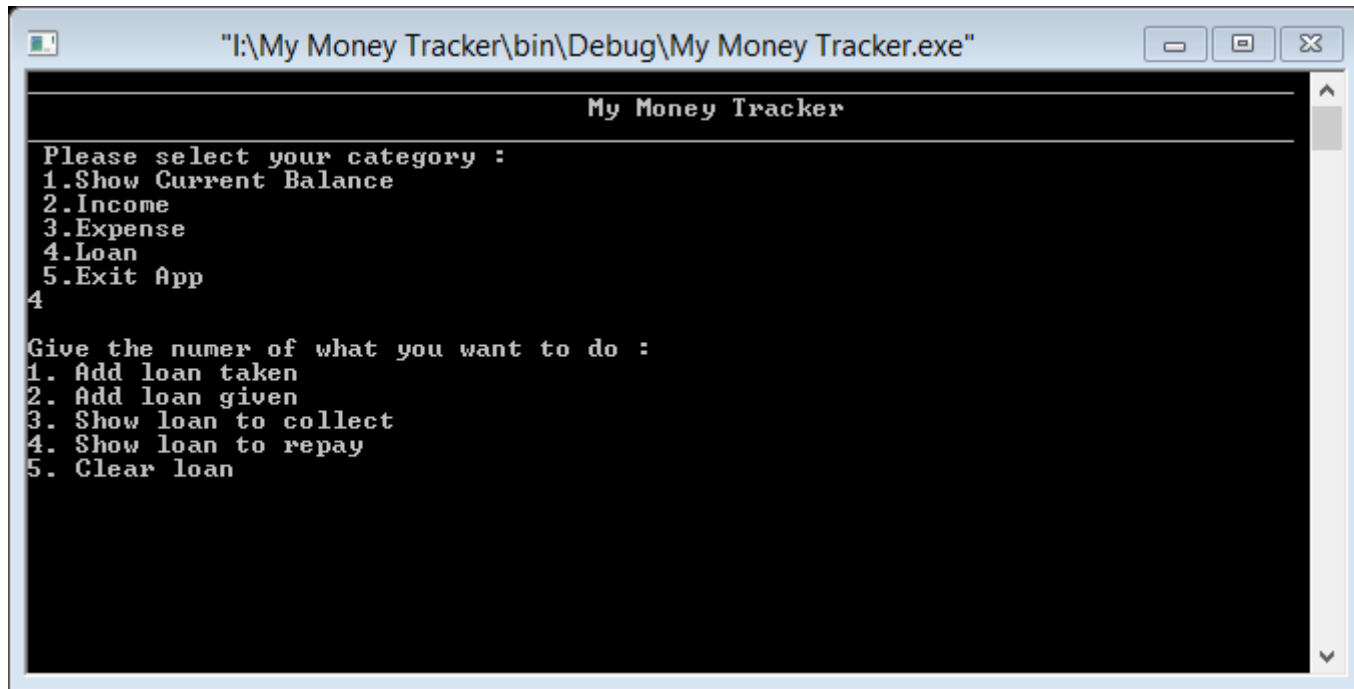
| Expenses list | | | |
|---------------|-----------|----------------|--------|
| Sr.no. | date | receiver | amount |
| 1 | 10/4/2015 | shirt | 400 |
| 2 | 10/4/2015 | auto | 20 |
| 3 | 11/4/2015 | washing_powder | 100 |

My Money Tracker

Please select your category :

- 1.Show Current Balance
- 2.Income
- 3.Expense
- 4.Loan
- 5.Exit App

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The window has a standard Windows title bar with minimize, maximize, and close buttons. The application's main content area has a black background with white text. At the top, it says "My Money Tracker". Below that, it prompts the user to "Please select your category :" and lists five options: 1. Show Current Balance, 2. Income, 3. Expense, 4. Loan, and 5. Exit App. The number "4" is entered, and the application prompts the user to "Give the numer of what you want to do :". It then lists five options related to loans: 1. Add loan taken, 2. Add loan given, 3. Show loan to collect, 4. Show loan to repay, and 5. Clear loan.

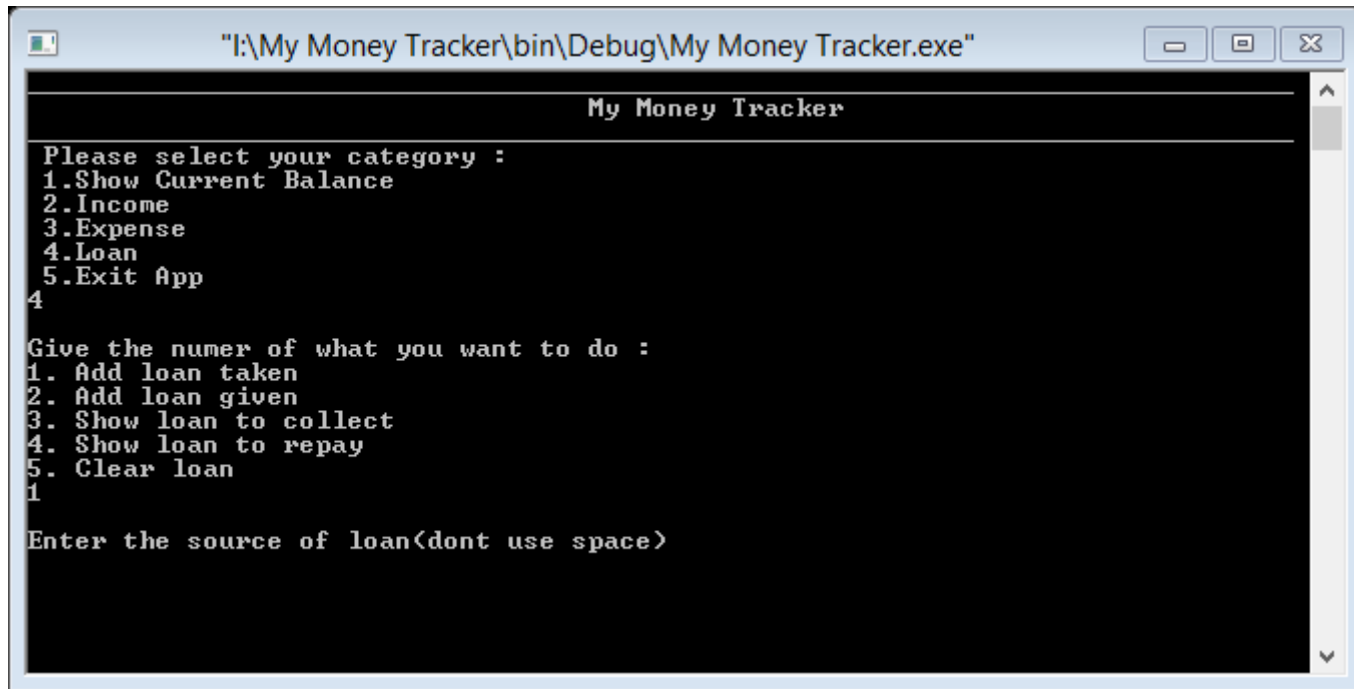
```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

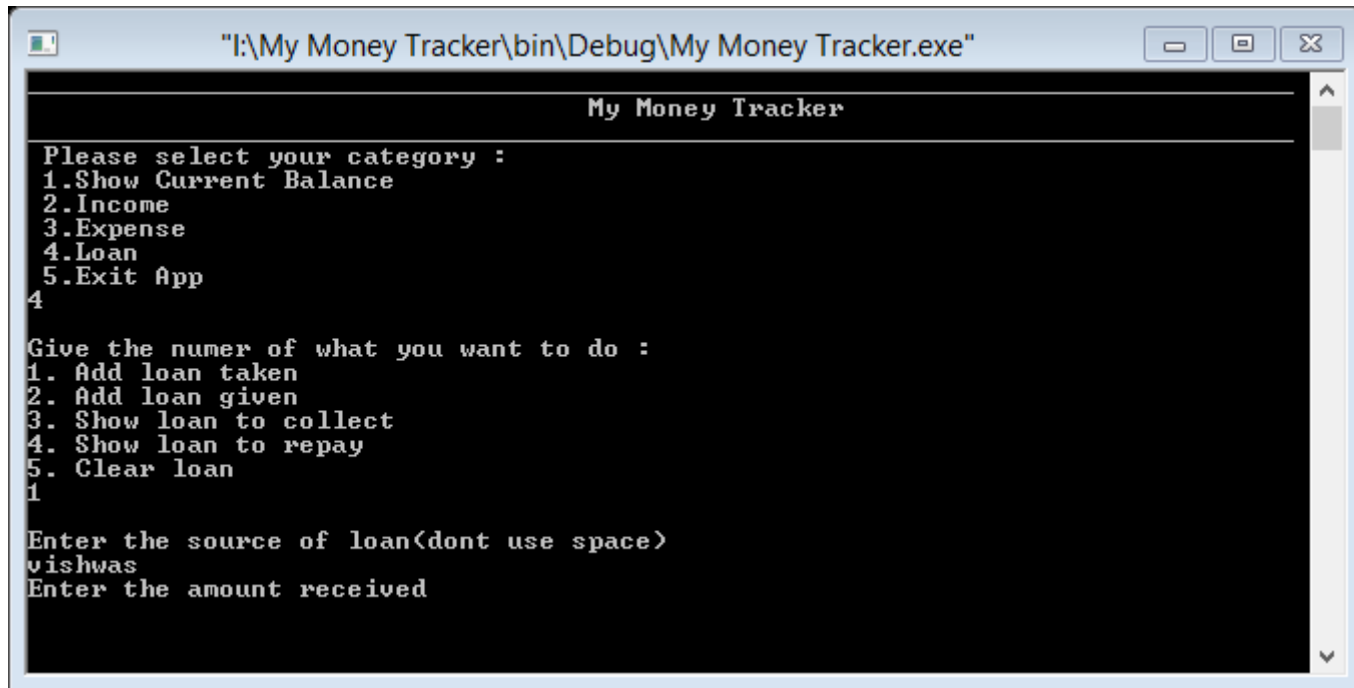
My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
1

Enter the source of loan<dont use space>
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

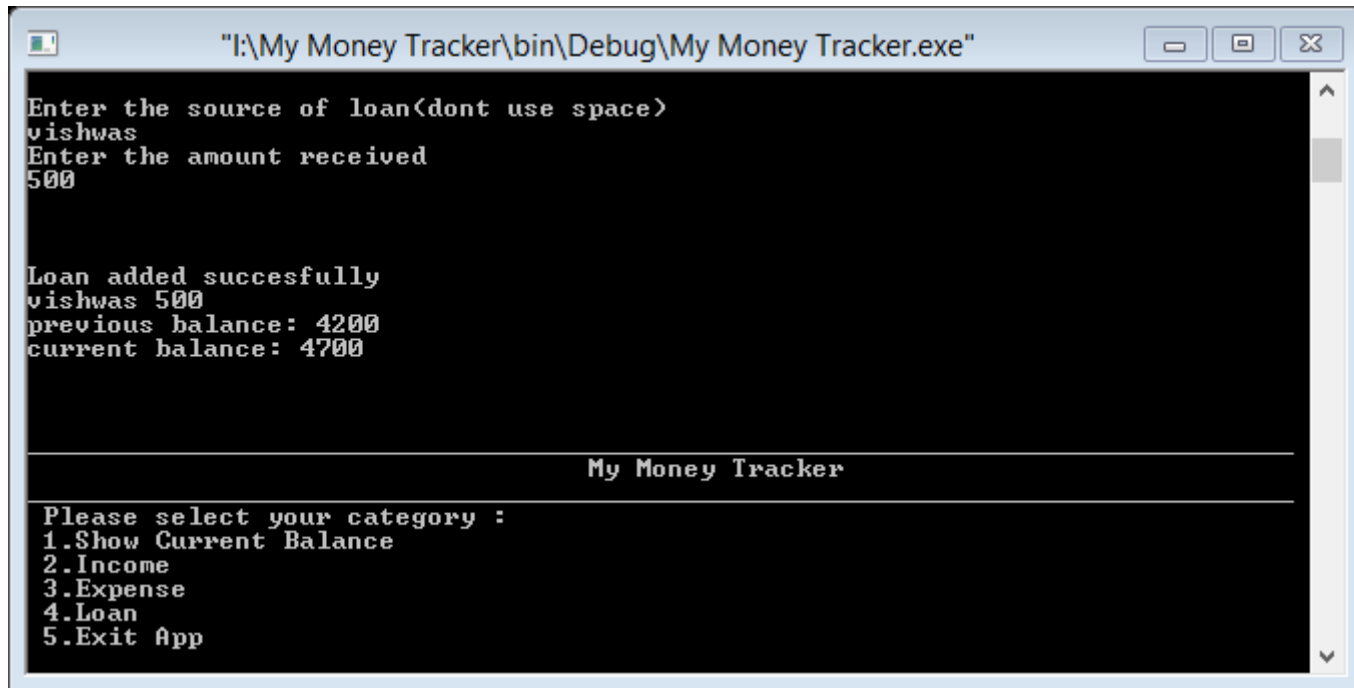
My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
1

Enter the source of loan(dont use space)
vishwas
Enter the amount received
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The application is a text-based interface. It prompts the user to "Enter the source of loan<dont use space>" and the user enters "vishwas". It then prompts "Enter the amount received" and the user enters "500". The application displays "Loan added succesfully" and shows the balance update: "vishwas 500", "previous balance: 4200", and "current balance: 4700". Below this, a horizontal line separates the header "My Money Tracker" from a menu. The menu asks the user to "Please select your category :" and lists five options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App".

```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

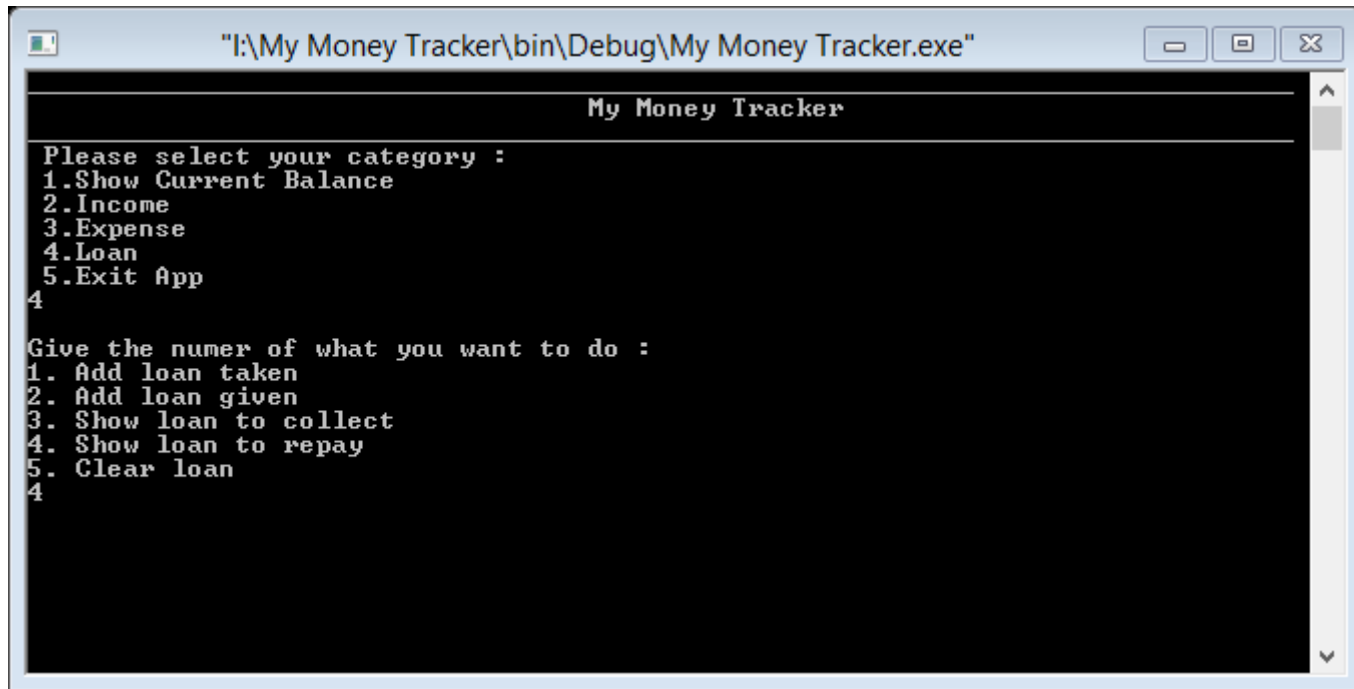
Enter the source of loan<dont use space>
vishwas
Enter the amount received
500

Loan added succesfully
vishwas 500
previous balance: 4200
current balance: 4700

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
```


Working of the App



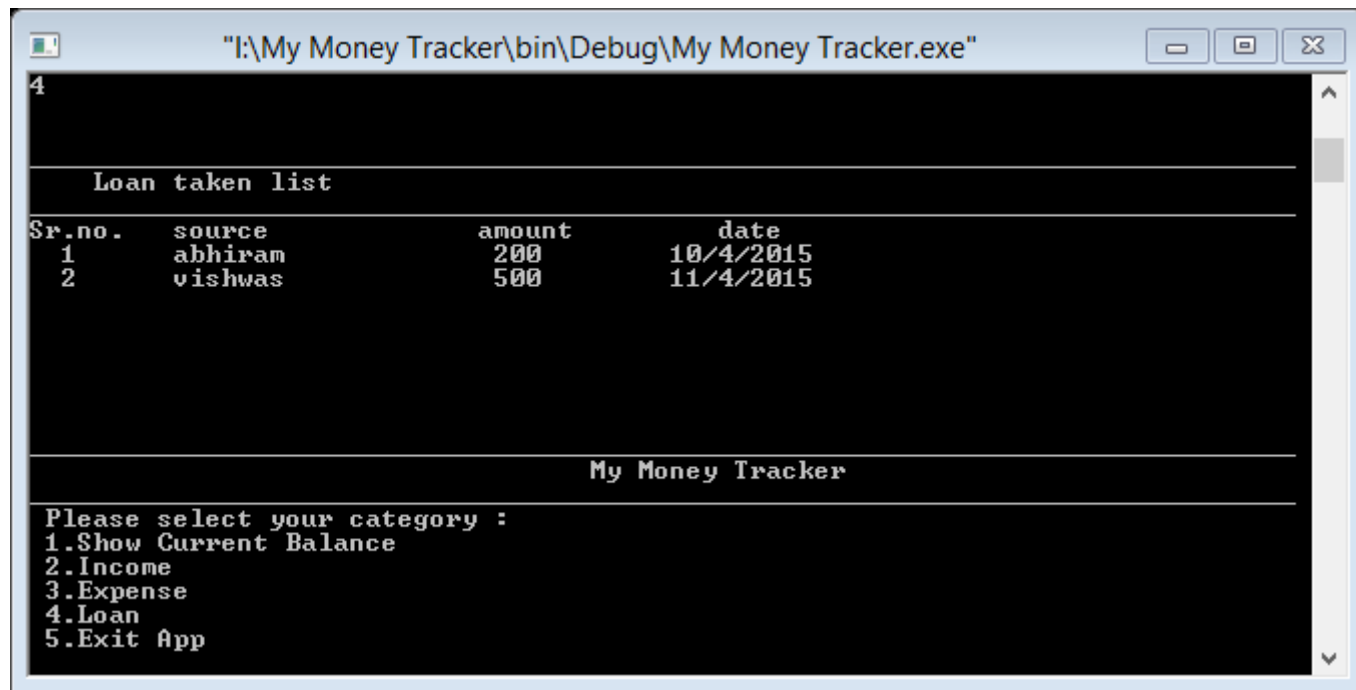
```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
4
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The application has a black background with white text. At the top left, the number "4" is displayed. Below it, a horizontal line separates the header "Loan taken list" from the data table. The table has four columns: "Sr.no.", "source", "amount", and "date". It contains two rows of data. Below the table, another horizontal line separates it from the text "My Money Tracker". At the bottom, the text "Please select your category :" is followed by a list of five options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App".

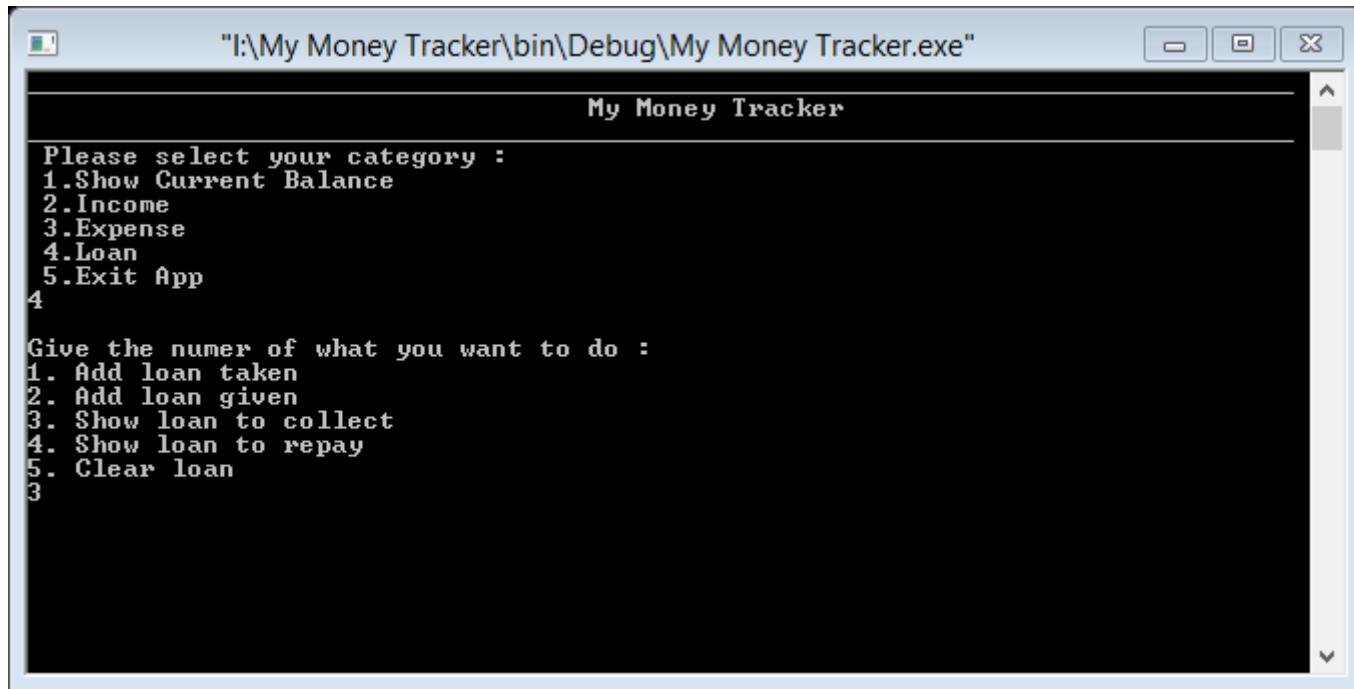
```
4
```

| Sr.no. | source | amount | date |
|--------|---------|--------|-----------|
| 1 | abhiram | 200 | 10/4/2015 |
| 2 | vishwas | 500 | 11/4/2015 |

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App

Working of the App



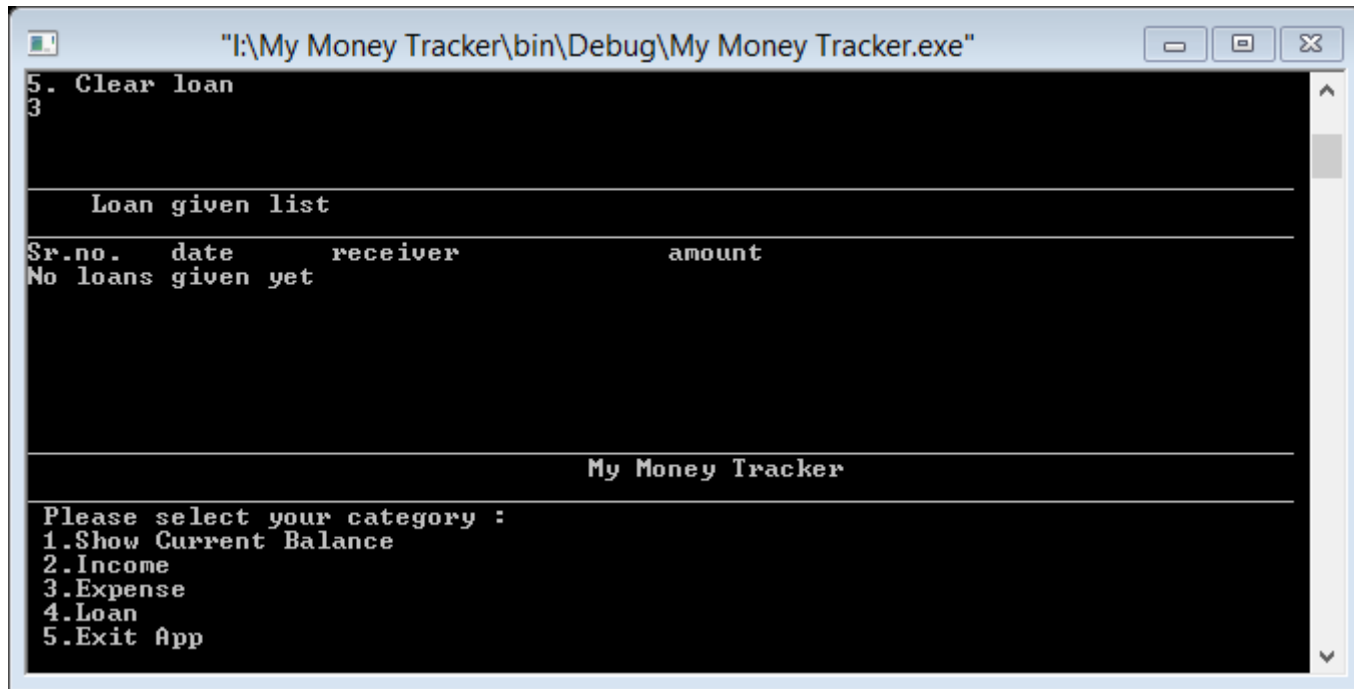
```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
3
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The application has a black background with white text. At the top, it displays "5. Clear loan" and the number "3". Below this, a horizontal line separates the header "Loan given list". Under the header, there is a table with four columns: "Sr.no.", "date", "receiver", and "amount". The table contains one row with the text "No loans given yet". Another horizontal line follows the table. Below the line, the text "My Money Tracker" is centered. At the bottom, the text "Please select your category :" is followed by a list of options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App".

```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

5. Clear loan
3

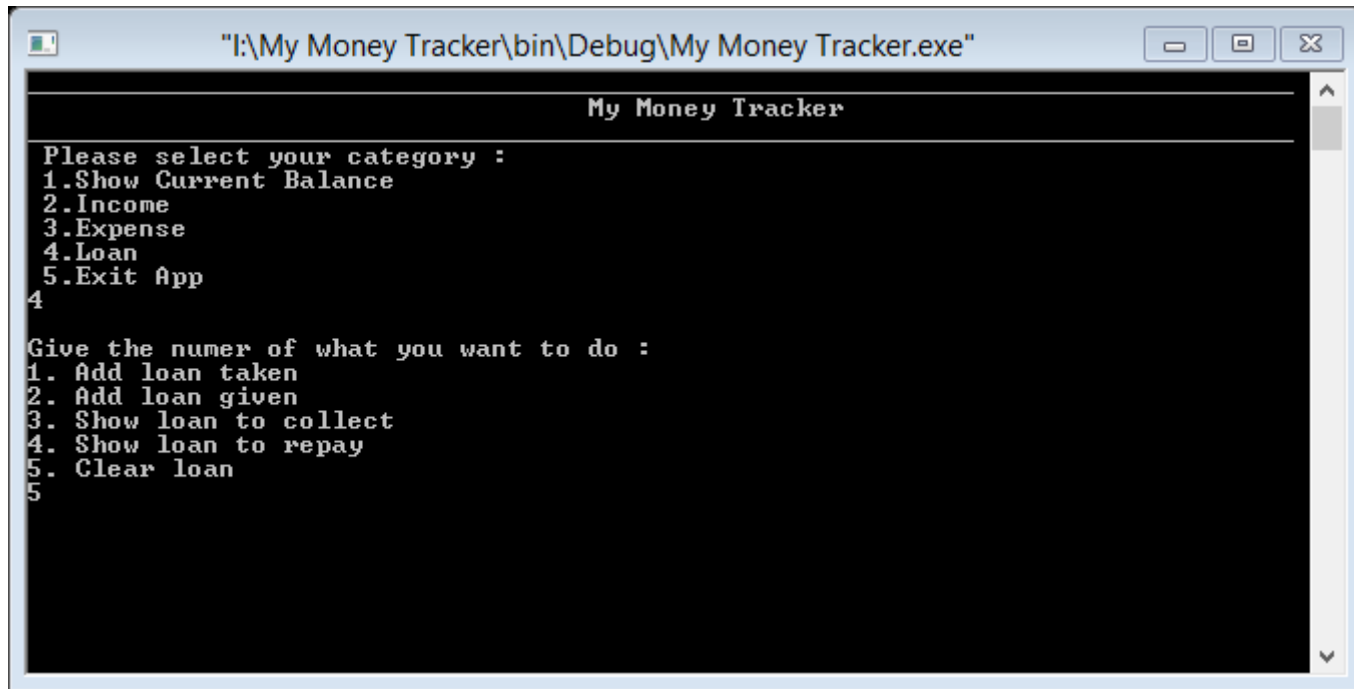
Loan given list

Sr.no.  date    receiver  amount
No loans given yet

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
```

Working of the App



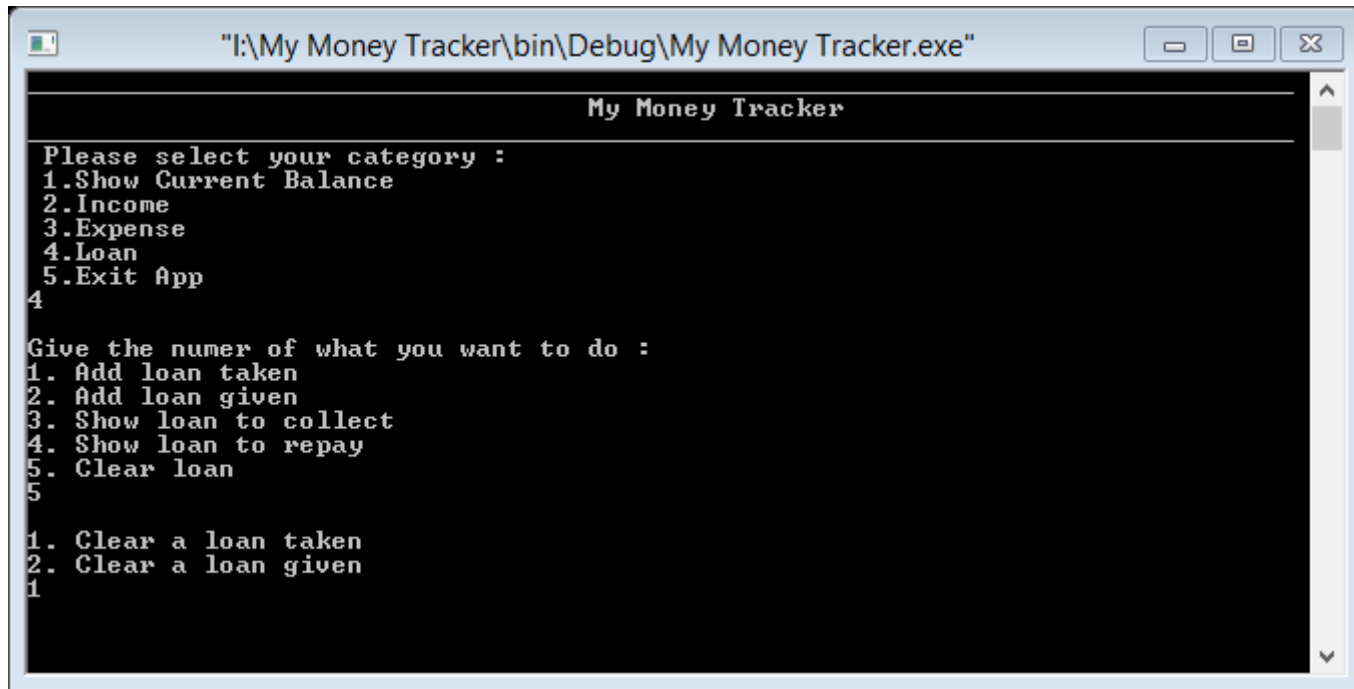
```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
5
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The application window has a title bar with standard Windows controls (minimize, maximize, close). The main content area is black with white text. The text is as follows:

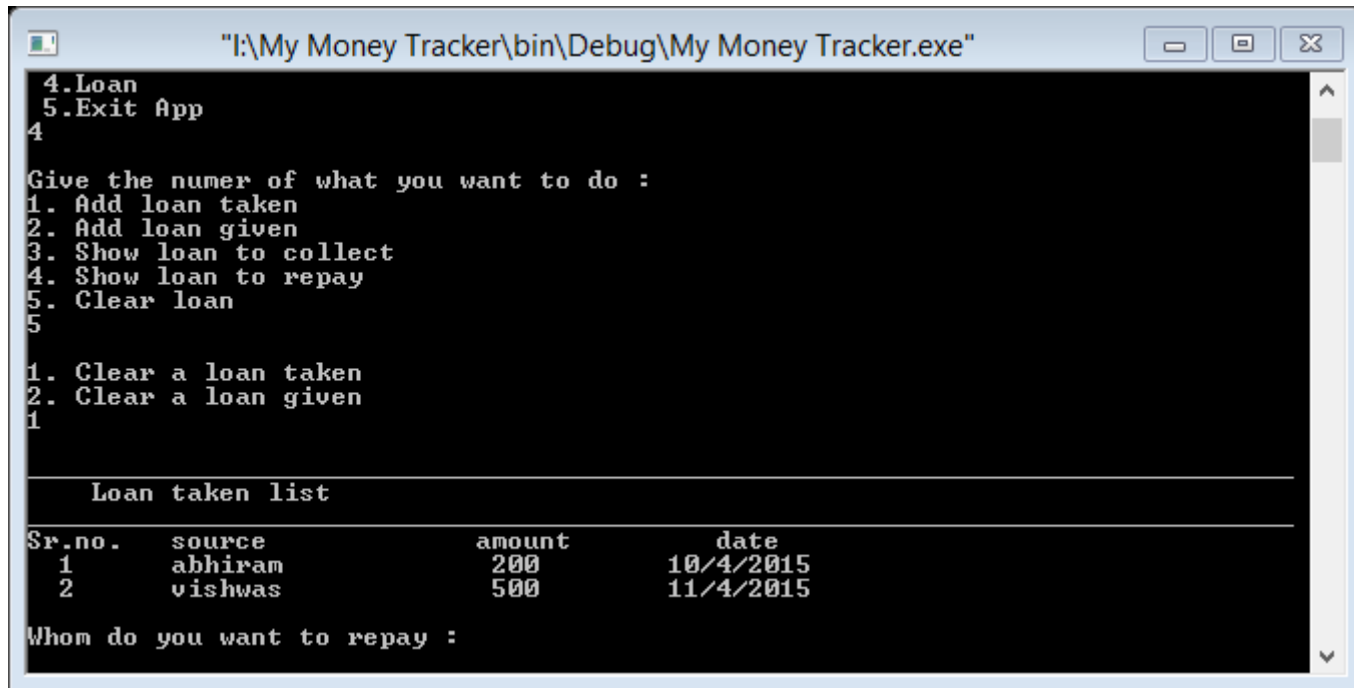
```
My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
5

1. Clear a loan taken
2. Clear a loan given
1
```

Working of the App

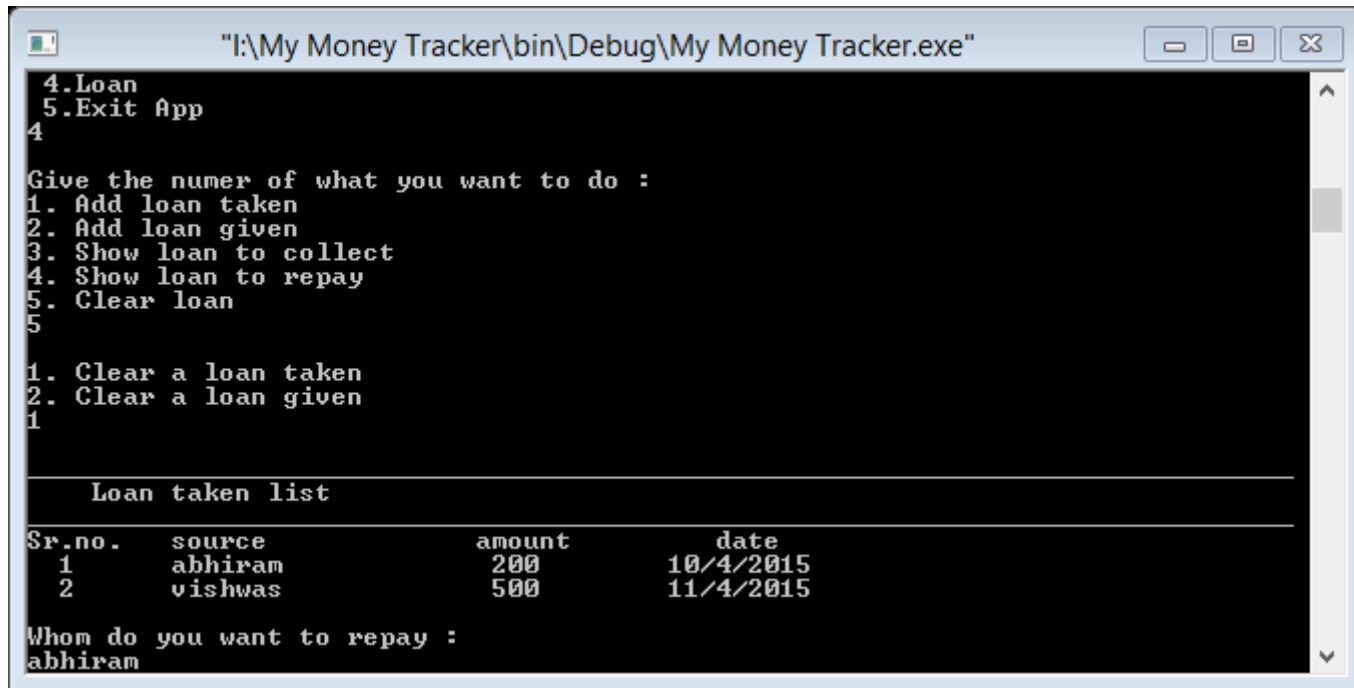


```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
4.Loan
5.Exit App
4
Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
5
1. Clear a loan taken
2. Clear a loan given
1

Loan taken list
Sr.no.  source      amount  date
1       abhiram    200     10/4/2015
2       vishwas    500     11/4/2015

Whom do you want to repay :
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
5

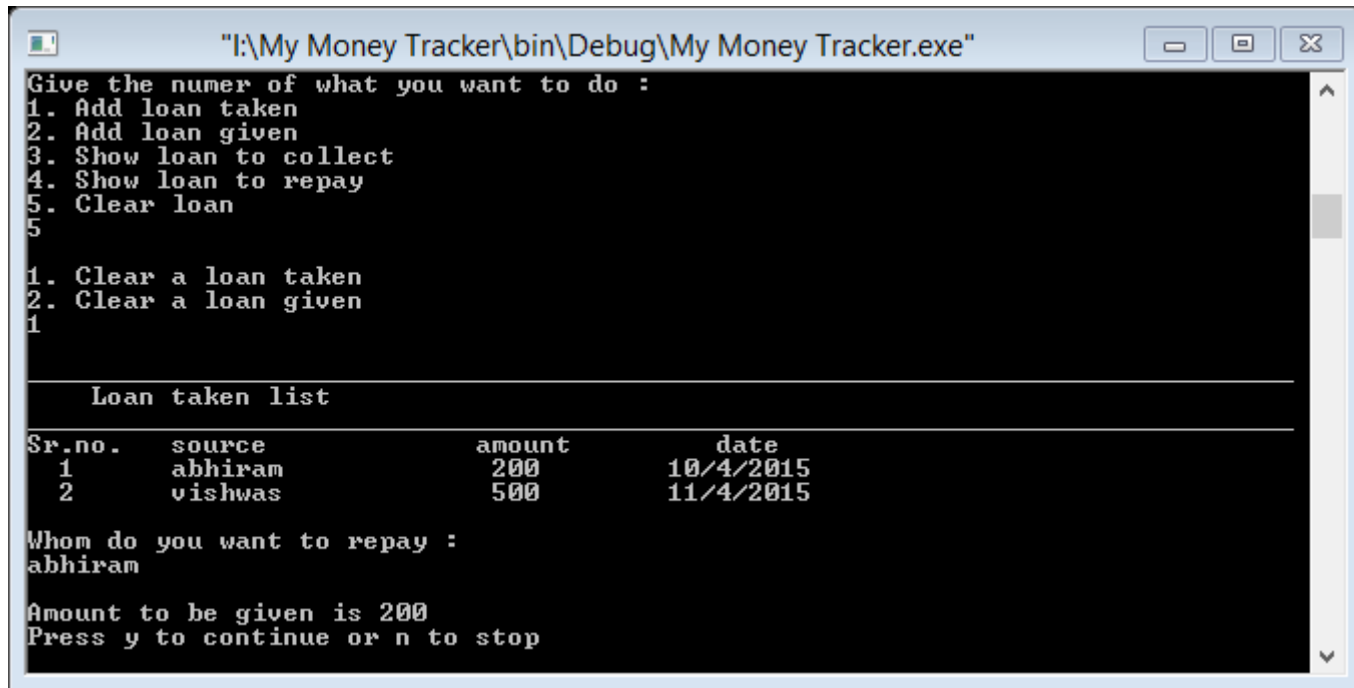
1. Clear a loan taken
2. Clear a loan given
1

Loan taken list

Sr.no.  source      amount  date
1       abhiram      200     10/4/2015
2       vishwas      500     11/4/2015

Whom do you want to repay :
abhiram
```


Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
5
1. Clear a loan taken
2. Clear a loan given
1

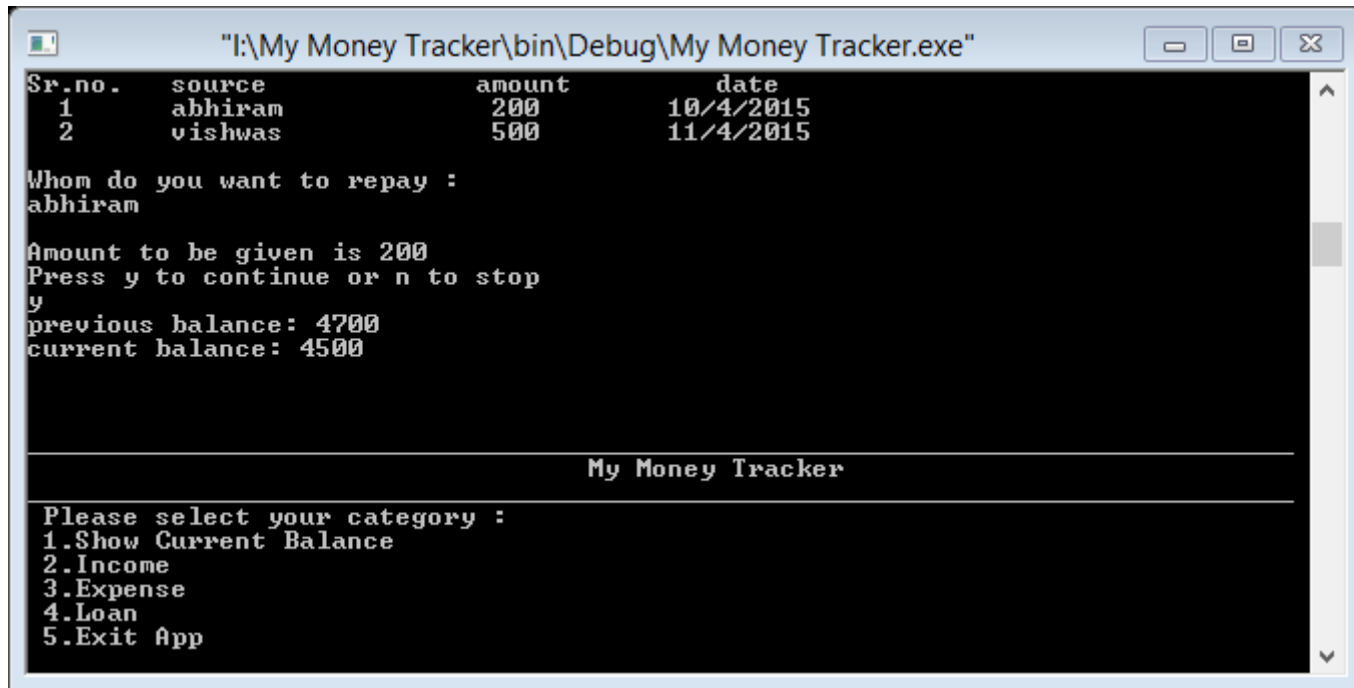
Loan taken list

Sr.no.  source      amount  date
1       abhiram    200     10/4/2015
2       vishwas    500     11/4/2015

Whom do you want to repay :
abhiram

Amount to be given is 200
Press y to continue or n to stop
```

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The application displays a table of transactions and a prompt for repayment.

| Sr.no. | source | amount | date |
|--------|---------|--------|-----------|
| 1 | abhiram | 200 | 10/4/2015 |
| 2 | vishwas | 500 | 11/4/2015 |

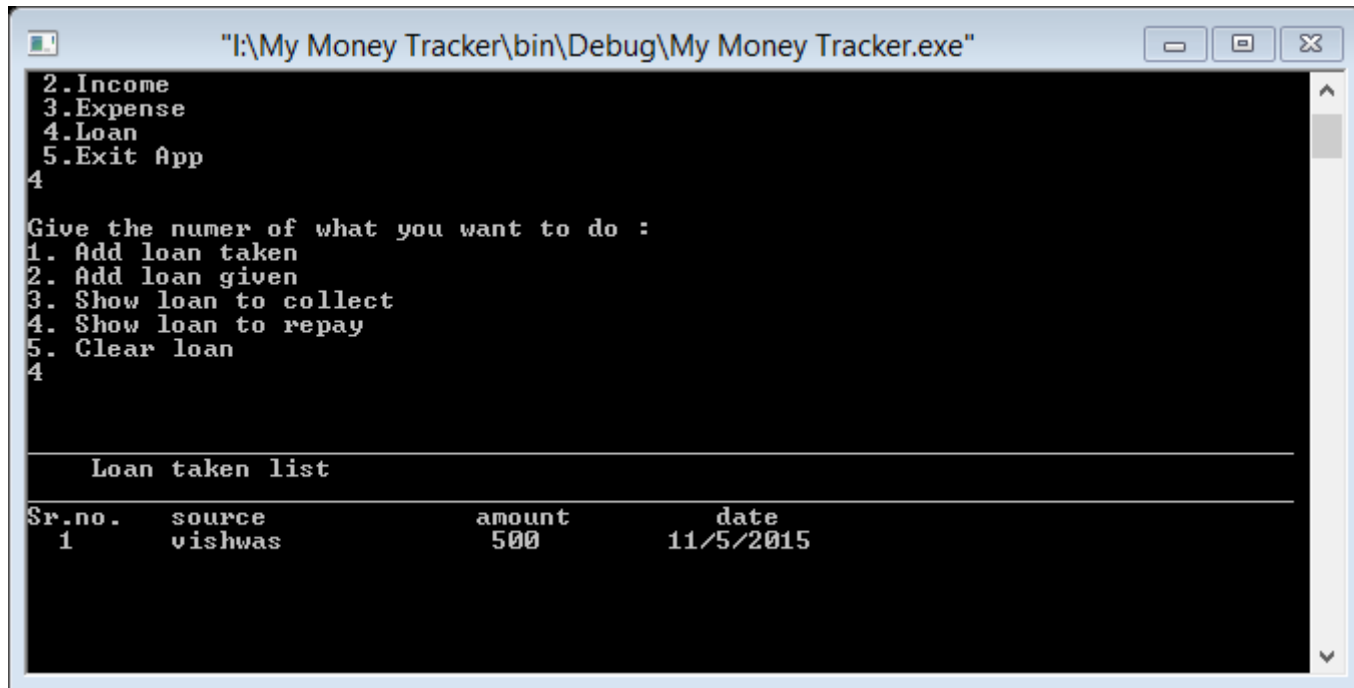
Whom do you want to repay :
abhiram

Amount to be given is 200
Press y to continue or n to stop
y
previous balance: 4700
current balance: 4500

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App

Working of the App



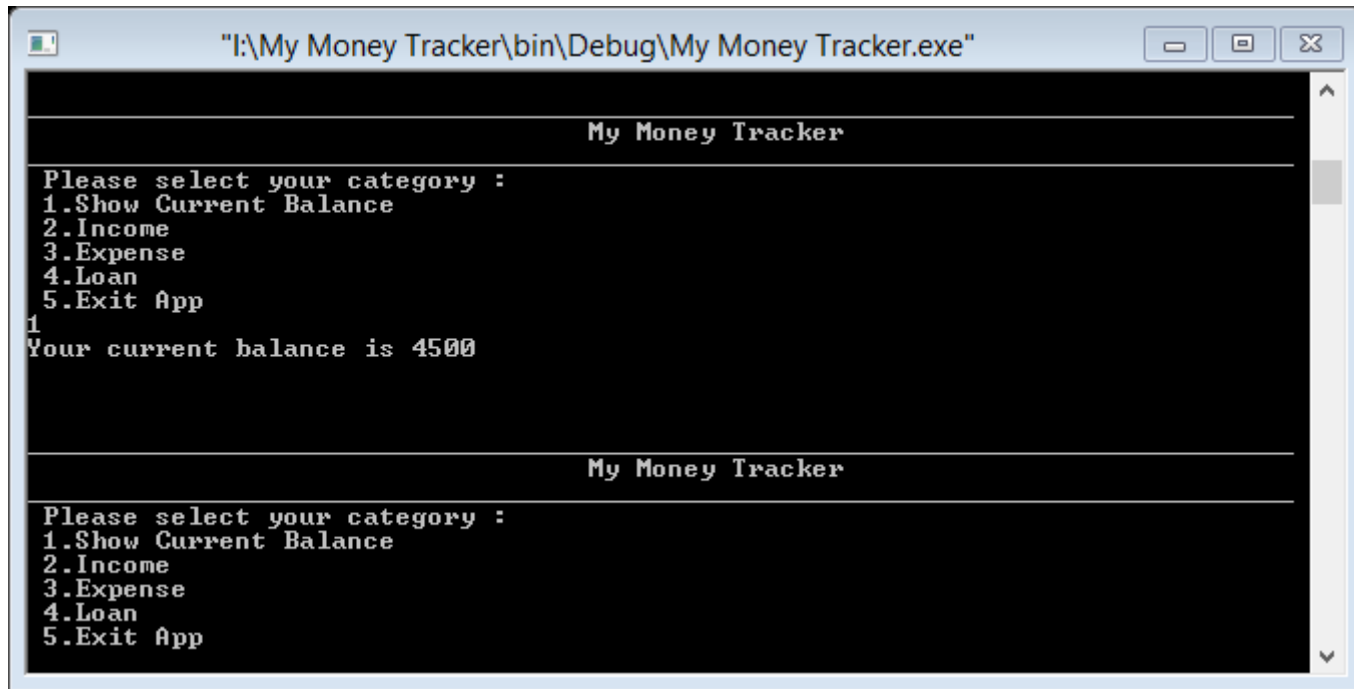
```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
2.Income
3.Expense
4.Loan
5.Exit App
4

Give the numer of what you want to do :
1. Add loan taken
2. Add loan given
3. Show loan to collect
4. Show loan to repay
5. Clear loan
4

Loan taken list
```

| Sr.no. | source | amount | date |
|--------|---------|--------|-----------|
| 1 | vishwas | 500 | 11/5/2015 |

Working of the App



The screenshot shows a Windows application window titled "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The window has a black background with white text. It displays a menu titled "My Money Tracker" with the following options: "1.Show Current Balance", "2.Income", "3.Expense", "4.Loan", and "5.Exit App". Below the menu, the text "Your current balance is 4500" is displayed. The window has a standard Windows title bar with minimize, maximize, and close buttons. A vertical scrollbar is visible on the right side of the window.

```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"
```

My Money Tracker

Please select your category :

- 1.Show Current Balance
- 2.Income
- 3.Expense
- 4.Loan
- 5.Exit App

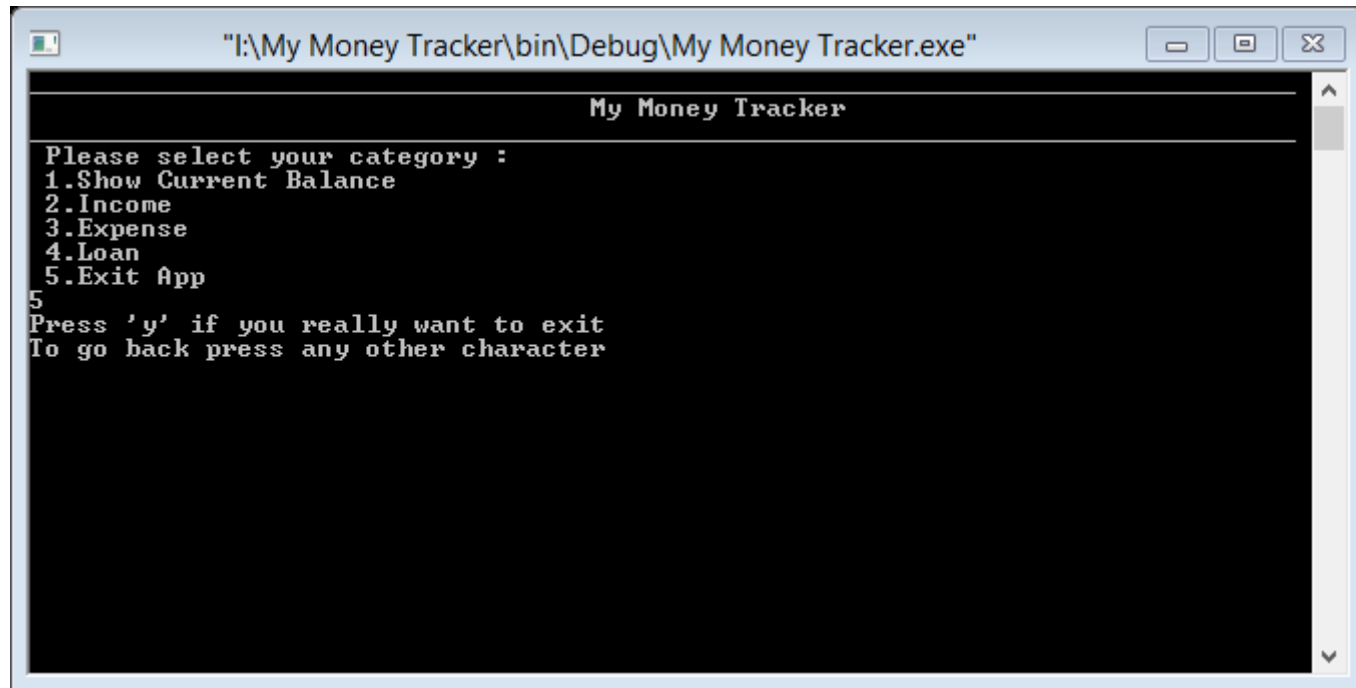
1
Your current balance is 4500

My Money Tracker

Please select your category :

- 1.Show Current Balance
- 2.Income
- 3.Expense
- 4.Loan
- 5.Exit App

Working of the App

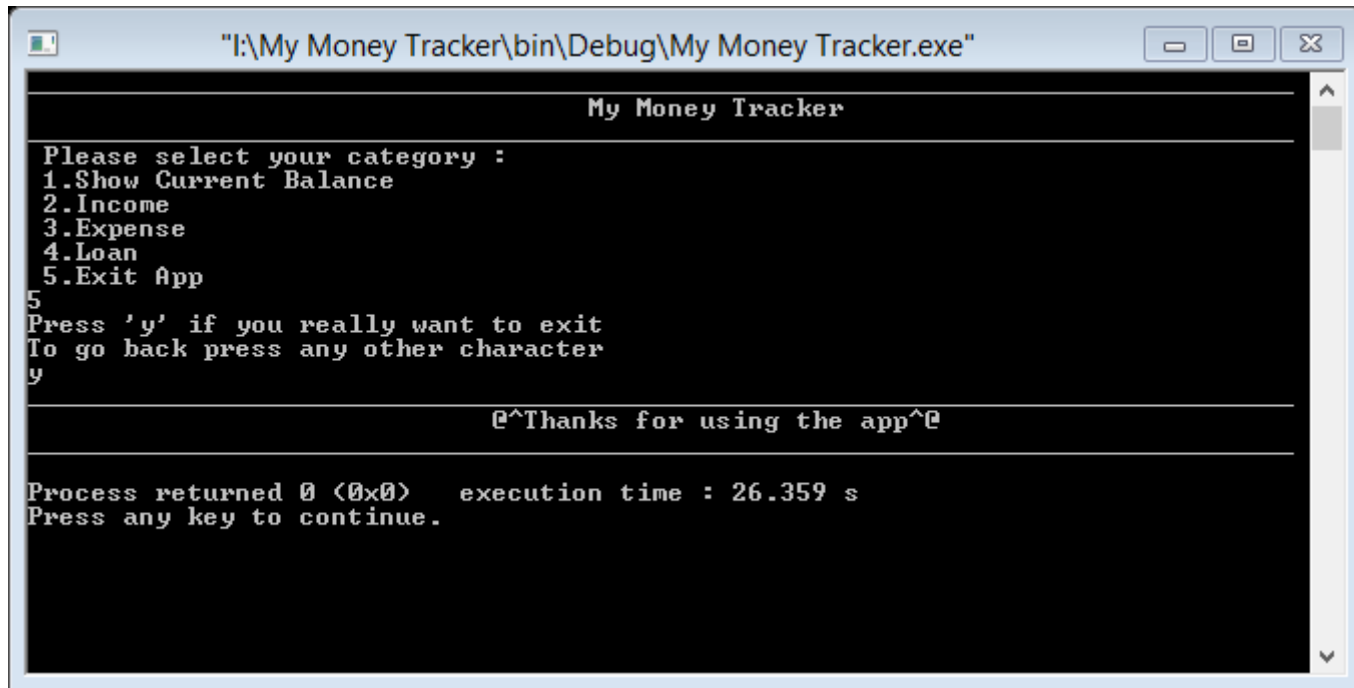


The screenshot shows a Windows application window with the title bar text "I:\My Money Tracker\bin\Debug\My Money Tracker.exe". The window contains a black console area with white text. The text in the console is as follows:

```
My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
5
Press 'y' if you really want to exit
To go back press any other character
```

Working of the App



```
"I:\My Money Tracker\bin\Debug\My Money Tracker.exe"

My Money Tracker

Please select your category :
1.Show Current Balance
2.Income
3.Expense
4.Loan
5.Exit App
5
Press 'y' if you really want to exit
To go back press any other character
y

^Thanks for using the app^

Process returned 0 (0x0)   execution time : 26.359 s
Press any key to continue.
```

Challenges

File operations

- The biggest problem was reading the files and conversion between formats for comparison.

GUI Interface

- A lot of time initially was used up in trying to find and integrate libraries for GUI which was unsuccessful.
- Currently we are still trying to implement GUI.

Future Work

- ▶ As it is a utility app many more functions can be programmed.
 - ▶ The GUI interface can be further developed.
 - ▶ Data can be shown in a more graphical way.
- 