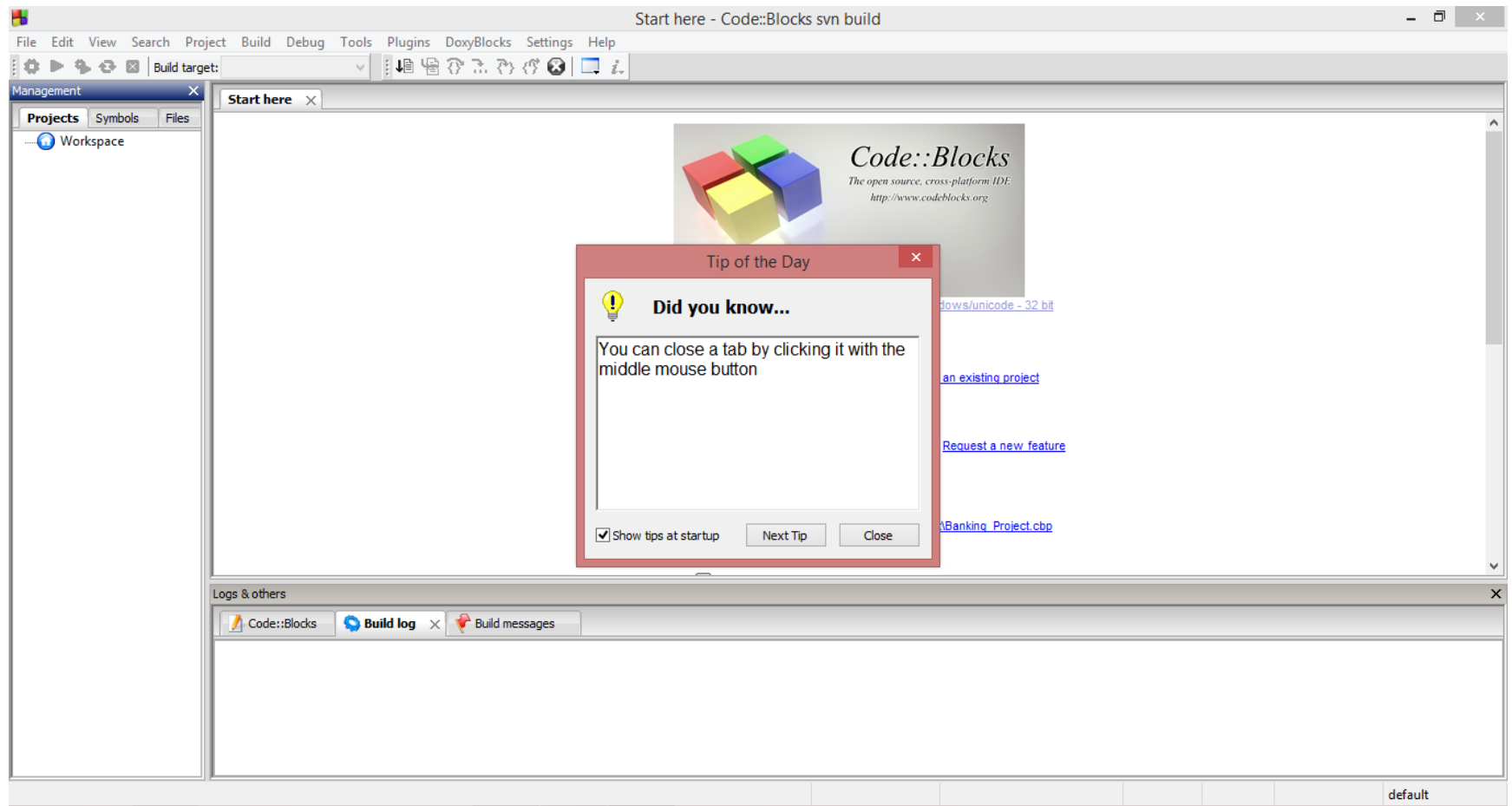


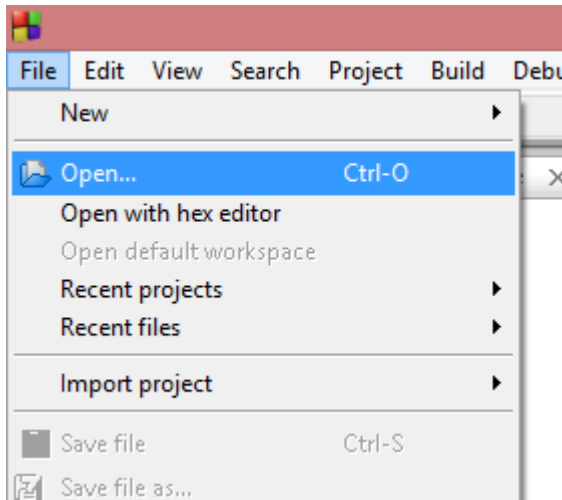
To open the project:

- Extract the zip file named 11_10_Banking_Application.zip to any specific folder.
- Open the software Codeblocks-simplecpp in the windows.

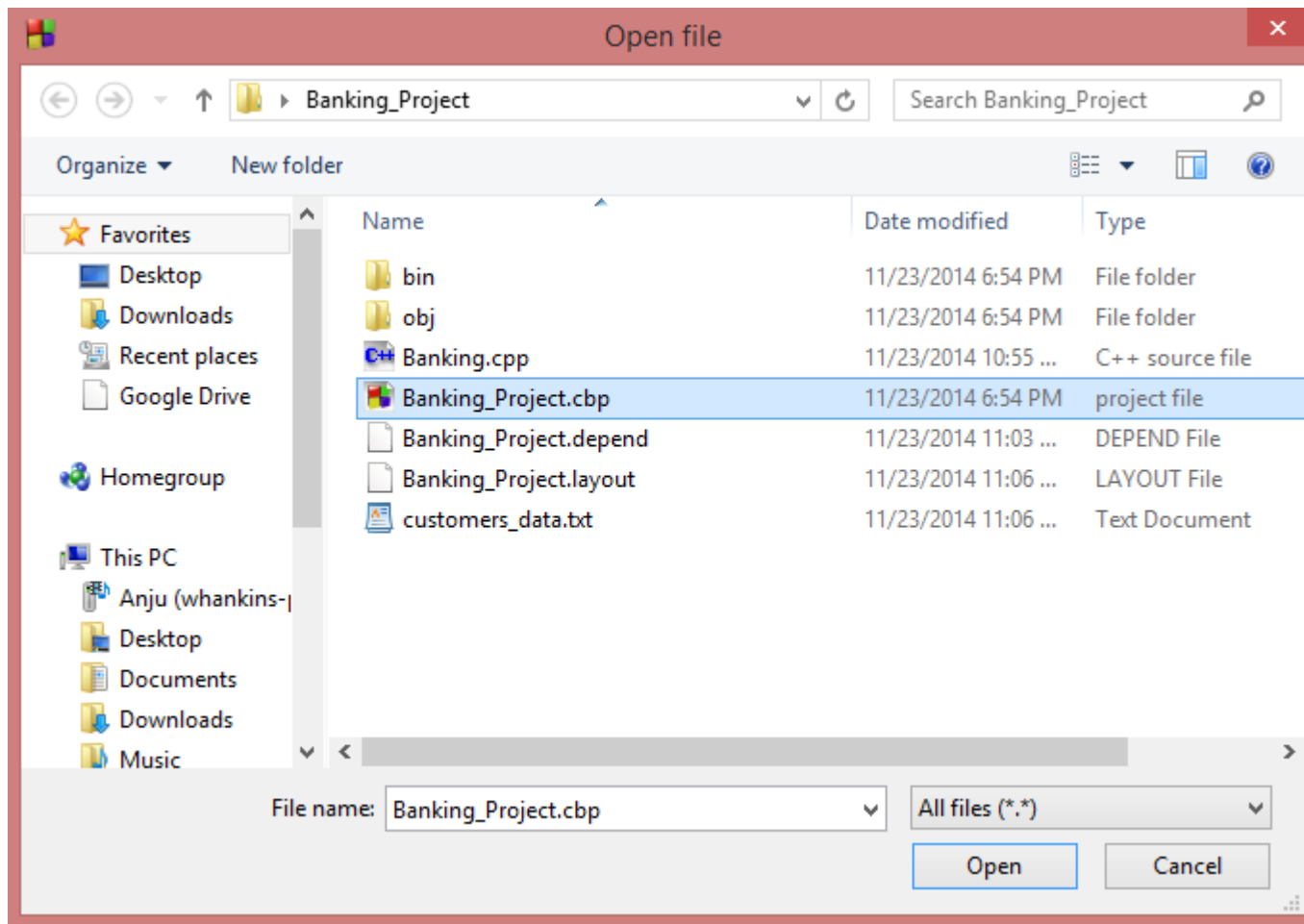
Following screen will appear:



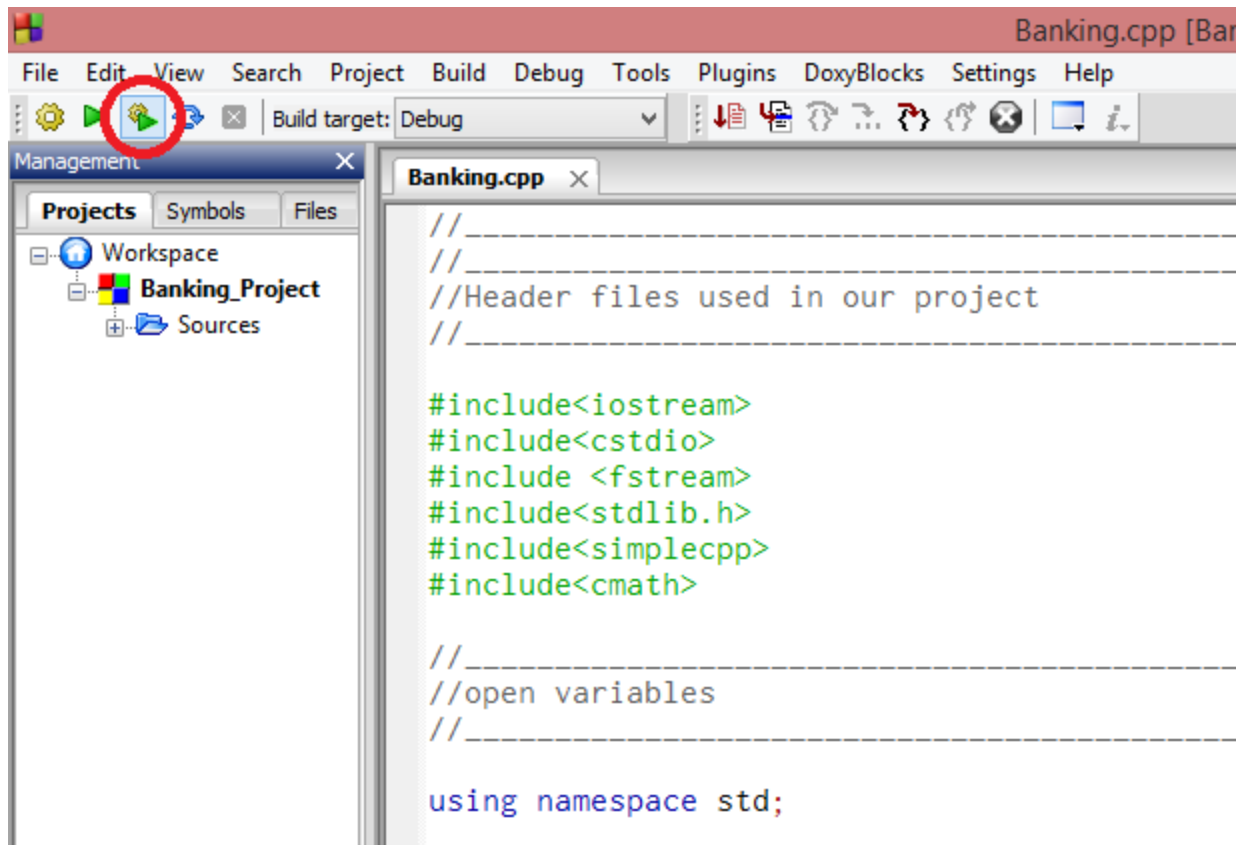
- Click on close on the dialog box of 'Did you know...'
- Go to File menu from the menu bar and select Open.



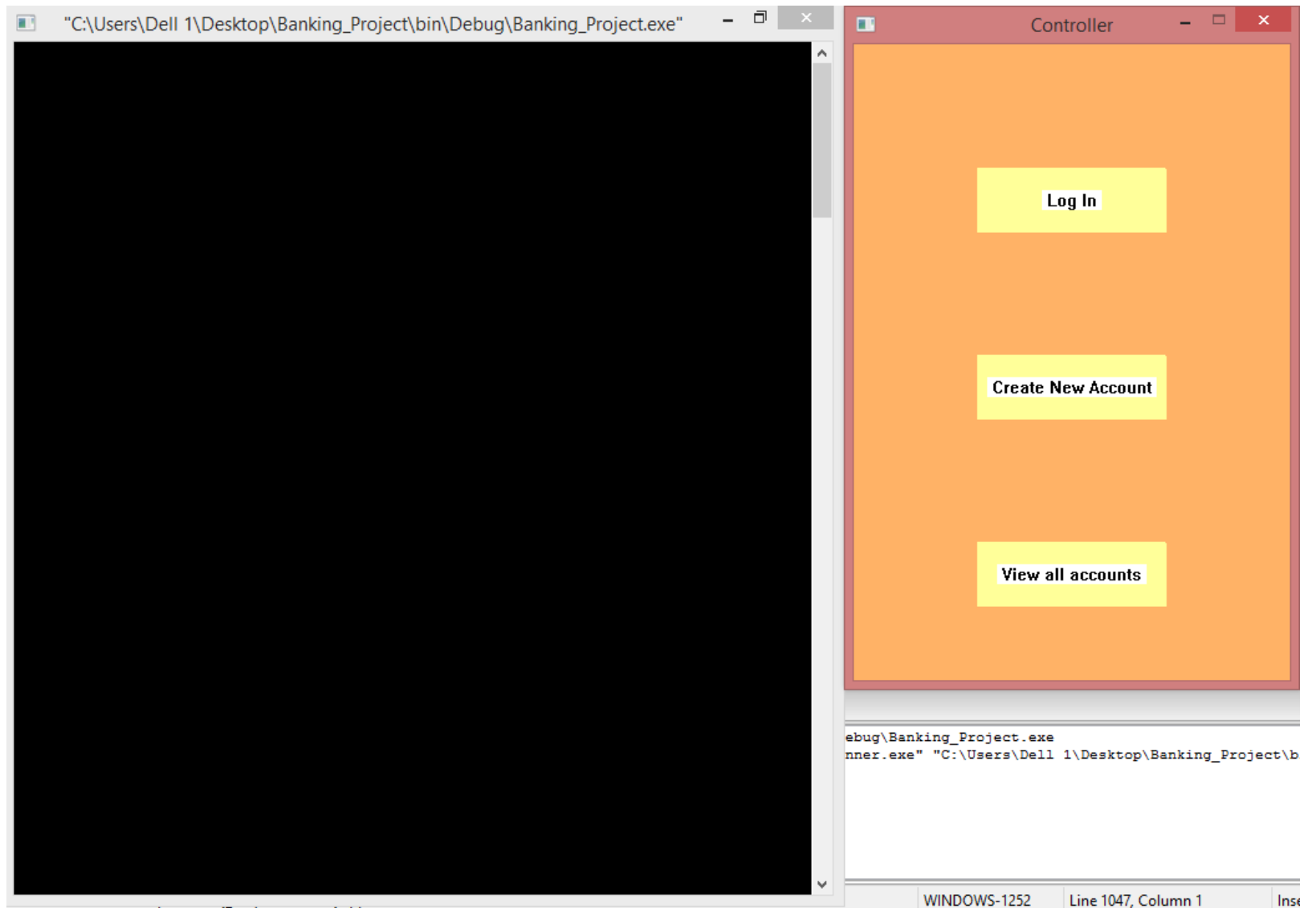
- Browse to the just now extracted folder and open Banking_Project folder and open the Banking_Project.cbp file.



- On opening the program code in c++ will appear then click on build and run icon in the toolbar to run the program:

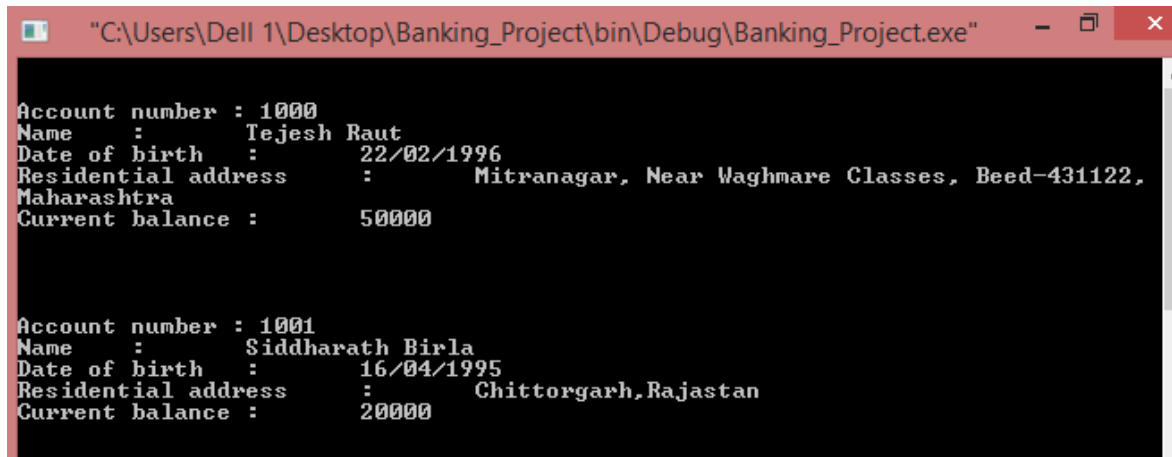


- When the program opens arrange the console and the canvas window(login screen) in a proper way so that both are visible:



To use the application:

- You may select any of the button from the controller:
 - Log In : To login if you already have an account
 - Create New Account : To create a new account if you are a new user.
 - View all accounts : To display all the accounts created previously
- On selecting [View all accounts](#) all accounts with their details are displayed. The details include
 - + Account number,
 - + Name,
 - + Date of birth,
 - + Residential Address and
 - + Current Balance

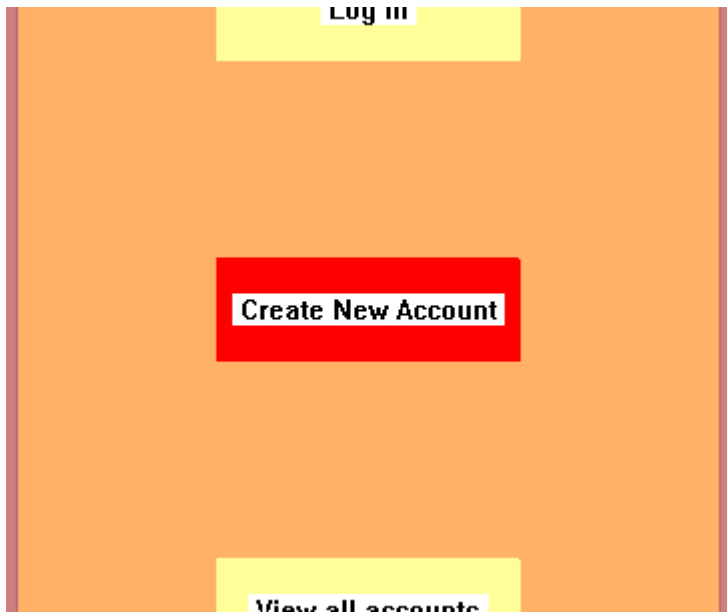


```
"C:\Users\Dell 1\Desktop\Banking_Project\bin\Debug\Banking_Project.exe"

Account number : 1000
Name : Tejesh Raut
Date of birth : 22/02/1996
Residential address : Mitranagar, Near Waghmare Classes, Beed-431122, Maharashtra
Current balance : 50000

Account number : 1001
Name : Siddharath Birla
Date of birth : 16/04/1995
Residential address : Chittorgarh, Rajastan
Current balance : 20000
```

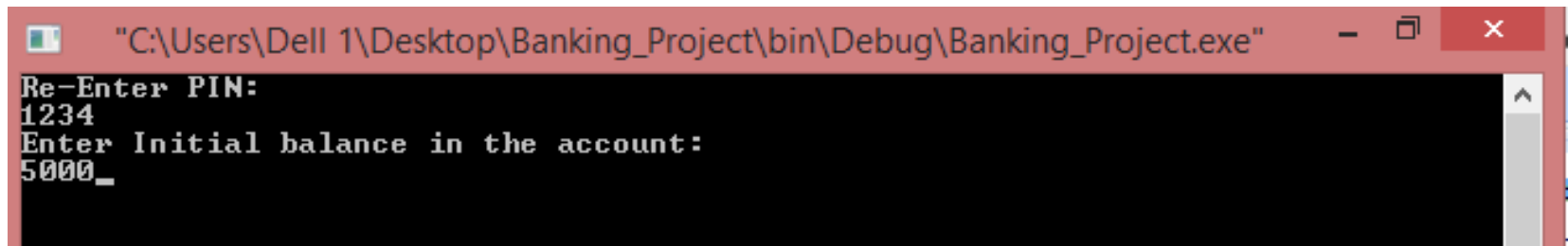
- On selecting create new account



You will be required to fill up a form for creating an account
It asks for your name, date of birth, address and a PIN

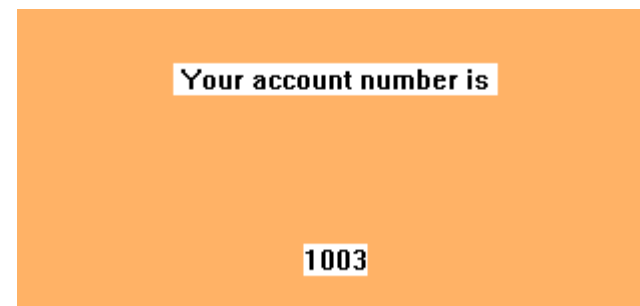
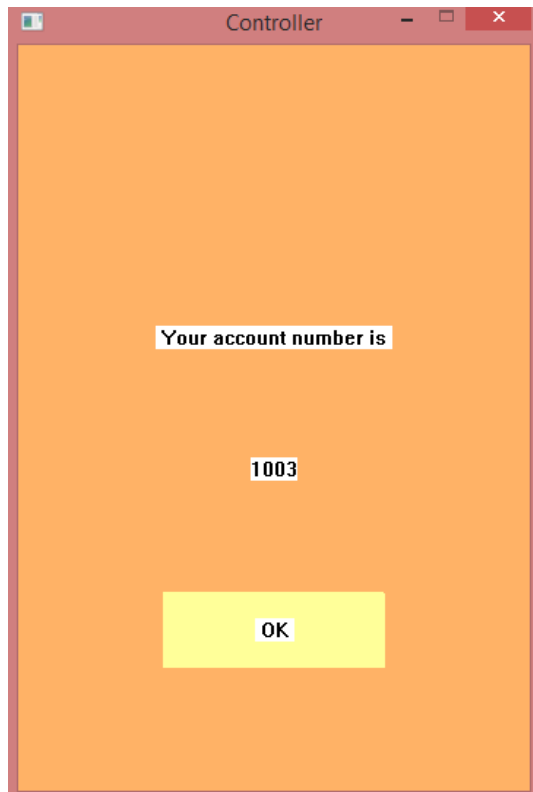
```
"C:\Users\Dell 1\Desktop\Banking_Project\bin\Debug\Banking_Project.exe"
Please fill the following form:
Enter your name(Upto maximum 50 characters):
Sample
Enter date of birth(dd/mm/yyyy format):
25/11/2014
Enter complete residential address(Upto maximum 70 characters in a single line):
IIT Bombay, Mumbai, Maharashtra
Enter a new PIN(4 digits) for your account
1234_
```

After re-entering the PIN , initial balance in the account will be asked



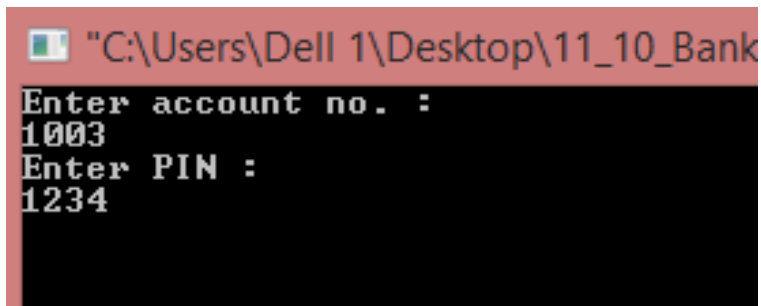
```
"C:\Users\Dell 1\Desktop\Banking_Project\bin\Debug\Banking_Project.exe"  
Re-Enter PIN:  
1234  
Enter Initial balance in the account:  
5000_
```

And then an account number will be provided to you



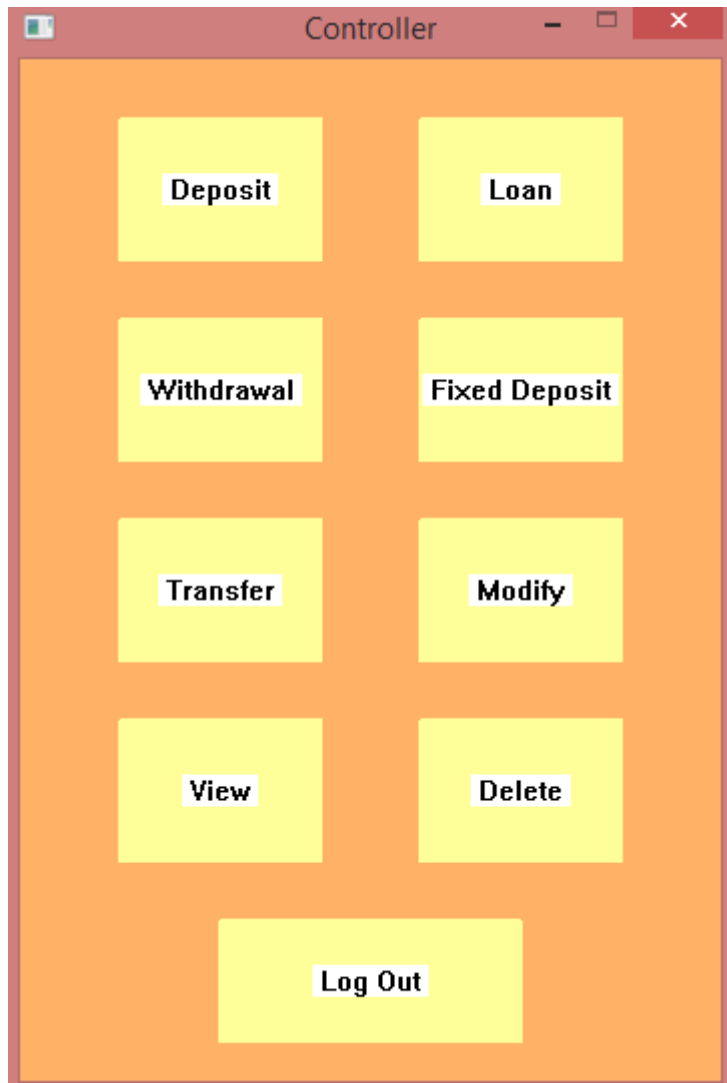
Note down the account number and click on OK. You will be redirected back to the login screen. Using this account number and the PIN provided you may login next time.

- On selecting [Log In](#) you will be prompted to enter your account number and the PIN.



Enter the correct account number and the PIN to get logged in into your account.

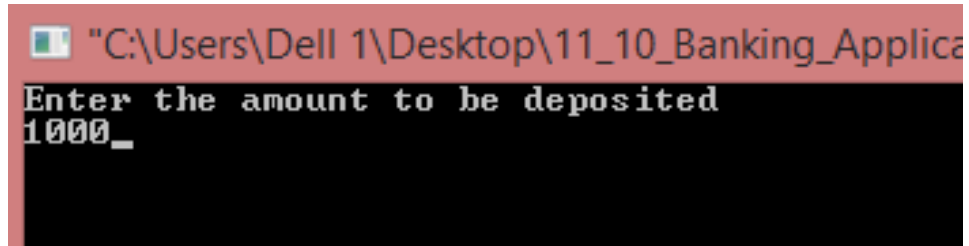
After getting logged in you will see various options on the controller.



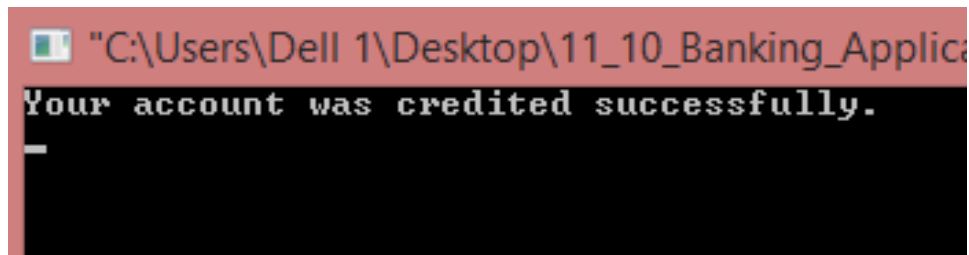
Choose whichever task you wish to perform.

Deposit:

To deposit some amount into your account



```
"C:\Users\Dell 1\Desktop\11_10_Banking_Application"
Enter the amount to be deposited
1000_
```

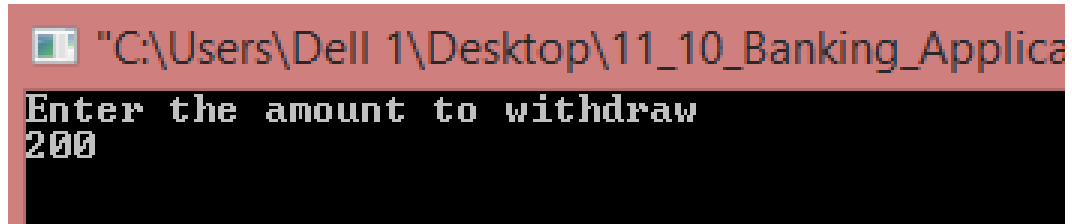


```
"C:\Users\Dell 1\Desktop\11_10_Banking_Application"
Your account was credited successfully.
_
```

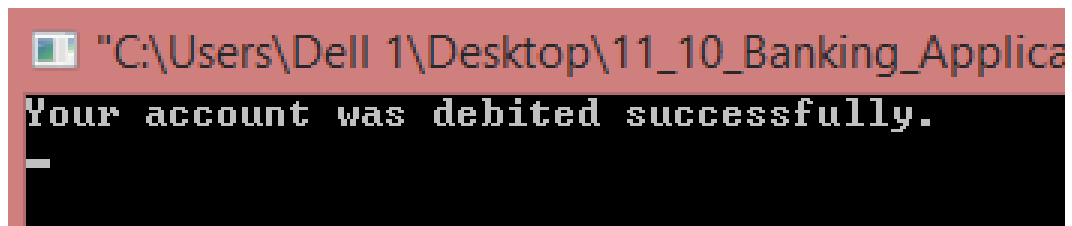
After deposit is over controller will be automatically taken back to the logged in screen.

Withdrawal:

To withdraw some amount of money from your account

A terminal window with a red title bar containing the file path "C:\Users\Dell 1\Desktop\11_10_Banking_Applica". The terminal text shows the prompt "Enter the amount to withdraw" followed by the user input "200".

```
"C:\Users\Dell 1\Desktop\11_10_Banking_Applica
Enter the amount to withdraw
200
```

A terminal window with a red title bar containing the file path "C:\Users\Dell 1\Desktop\11_10_Banking_Applica". The terminal text shows the confirmation message "Your account was debited successfully." followed by a cursor line.

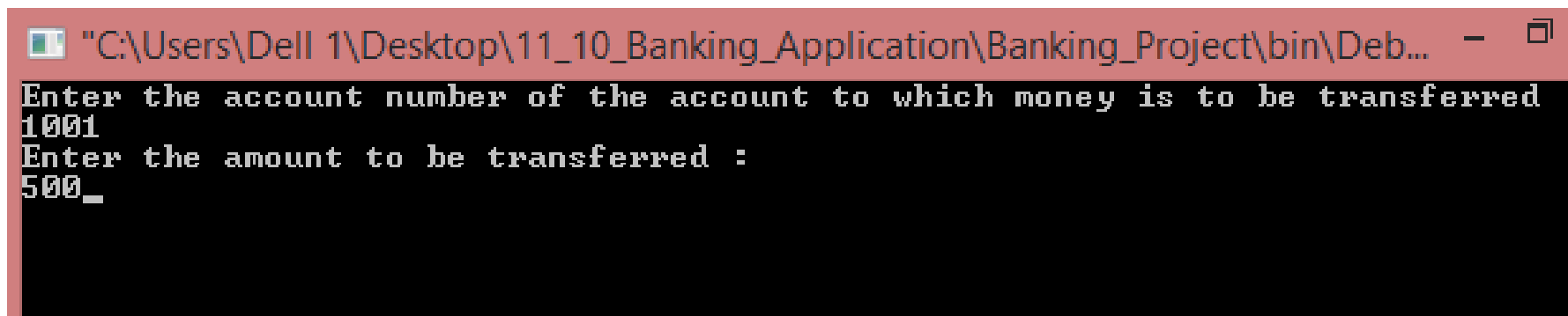
```
"C:\Users\Dell 1\Desktop\11_10_Banking_Applica
Your account was debited successfully.
_
```

After withdrawal is over controller will be automatically taken back to the logged in screen

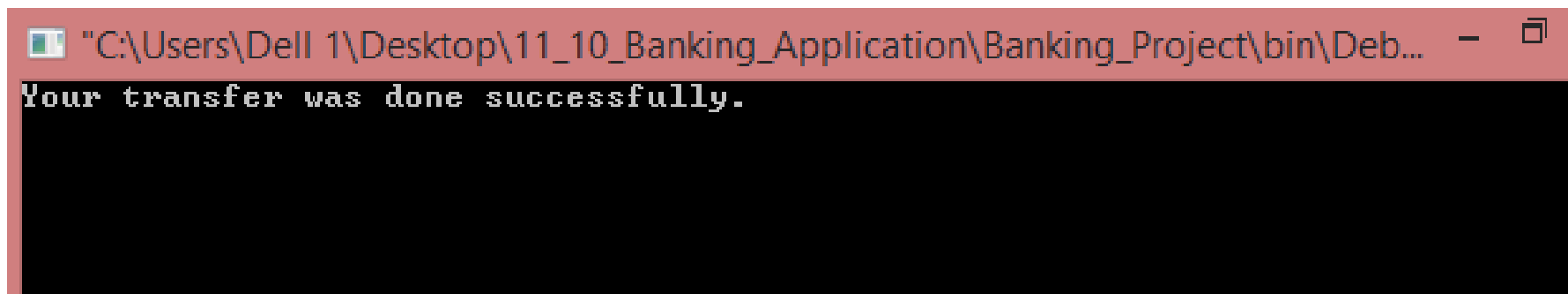
Transfer:

To transfer some amount of money from your account to someone else having his account on current program

You will be asked the account number of the person to whom money is to be transferred and the amount of money to be transferred.



```
"C:\Users\Dell 1\Desktop\11_10_Banking_Application\Banking_Project\bin\Deb... -  
Enter the account number of the account to which money is to be transferred  
1001  
Enter the amount to be transferred :  
500_
```

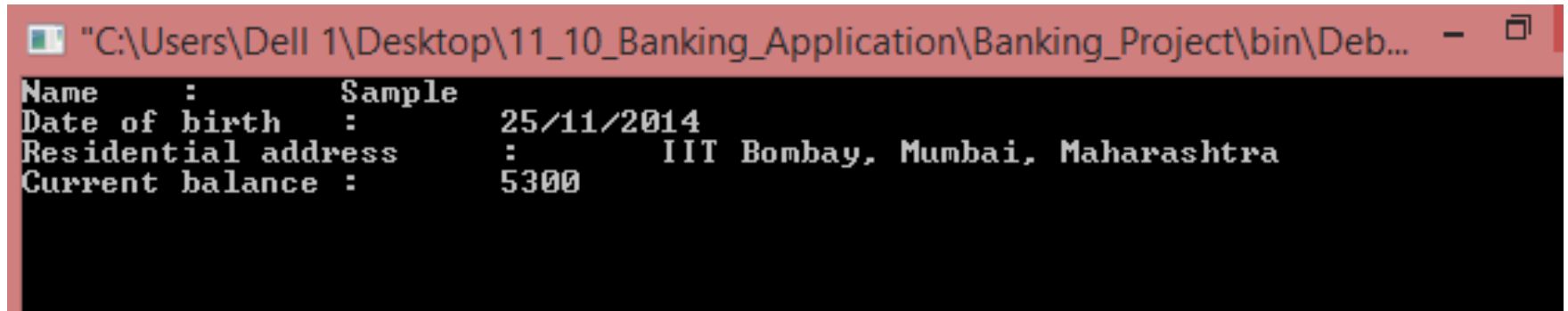


```
"C:\Users\Dell 1\Desktop\11_10_Banking_Application\Banking_Project\bin\Deb... -  
Your transfer was done successfully.
```

Again after transfer you will be taken back to the logged screen.

View:

On clicking on view you will be shown the details of your own account

A screenshot of a Windows command prompt window. The title bar is red and shows the file path: "C:\Users\Dell 1\Desktop\11_10_Banking_Application\Banking_Project\bin\Deb...". The command prompt area has a black background with white text. It displays the following account details:

```
Name      :      Sample
Date of birth  :      25/11/2014
Residential address  :      IIT Bombay, Mumbai, Maharashtra
Current balance :      5300
```

It is recommended to check view after any operation so that you may get to know your current balance

Loan:

This option is provided to take loan from the bank.

For loan you are required to give time in integral number of years.

The program asks for the amount to be taken as loan and the time after which loan will be submitted. The program then calculates the final amount to be submitted after given number of years by calculating compound interest at the rate of 10% p.a.

After confirmation loan is deposited into your account.



"C:\Users\Dell 1\Desktop\11_10_Banking_Application\Banking_Pr

Enter the amount to be taken as loan

100000

Enter the time in years to take the loan

<You can take only for integral number of years

Our interest rate is only 10% per annum >

2_

Controller

You will have to repay

12100 after 2 years

Confirm ?

Yes

No

"C:\Users\Dell 1\Desktop\11_

Loan received successfully

Fixed Deposit:

This option is used to keep fixed deposit with the bank.

For fixed deposit you are required to give integral number of years.

The program asks for the amount to be submitted as fixed deposit and the time after which fixed deposit will be taken back. The program then calculates the final amount to be repayed after given number of years by calculating compound interest at the rate of 8% p.a.

After confirmation amount of fixed deposit is deducted from your account.



"C:\Users\Dell 1\Desktop\11_10_Banking_Application\Banking_Pro

Enter the amount to be given as fixed deposit

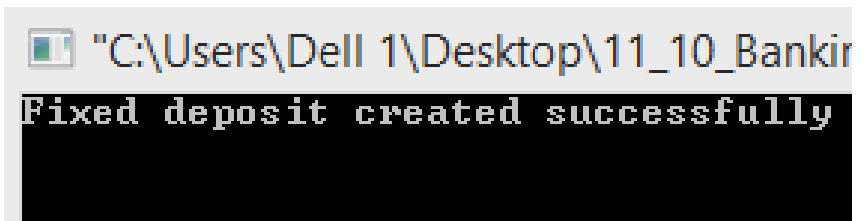
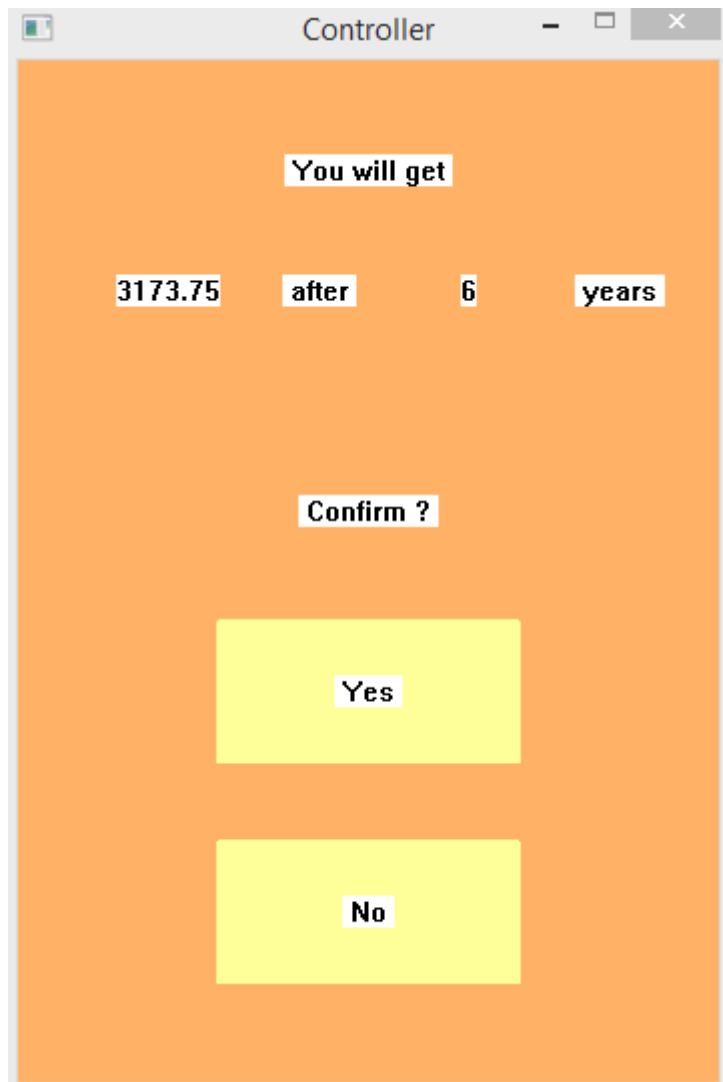
2000

Enter the time in years to keep fixed deposit

<You can take only for integral number of years

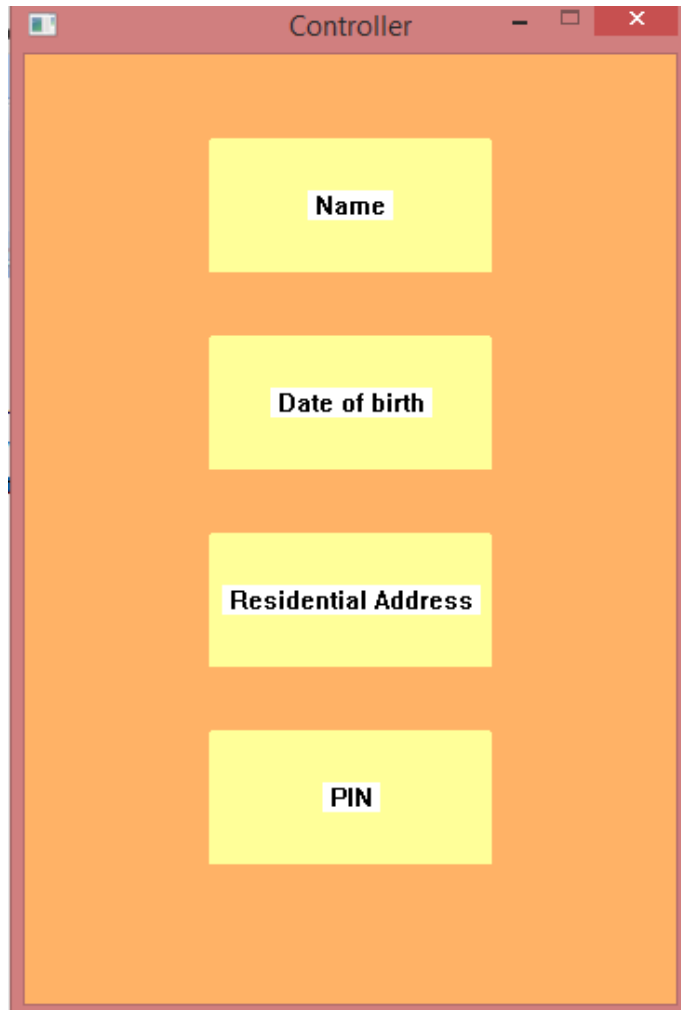
You will get profit of 8% per annum >

6



Modify:

This option is there to modify your details submitted during creating the account. On selecting this we get a menu on the canvas to select which option to modify. We can modify name, date of birth, residential address and the PIN.



Suppose we wish to modify PIN:

```
"C:\Users\Dell 1\Desktop\n11_10_Banking_Application\BankingApp.exe"  
Enter current PIN :  
1234_
```

```
"C:\Users\Dell 1\Desktop\n11_10_Banking_Application\BankingApp.exe"  
Enter a new PIN<4 digits> for your account  
4321
```

```
"C:\Users\Dell 1\Desktop\n11_10_Banking_Application\BankingApp.exe"  
Re-Enter PIN:  
4321
```

```
"C:\Users\Dell 1\Desktop\n11_10_Banking_Application\BankingApp.exe"  
Your account was modified successfully.  
_
```

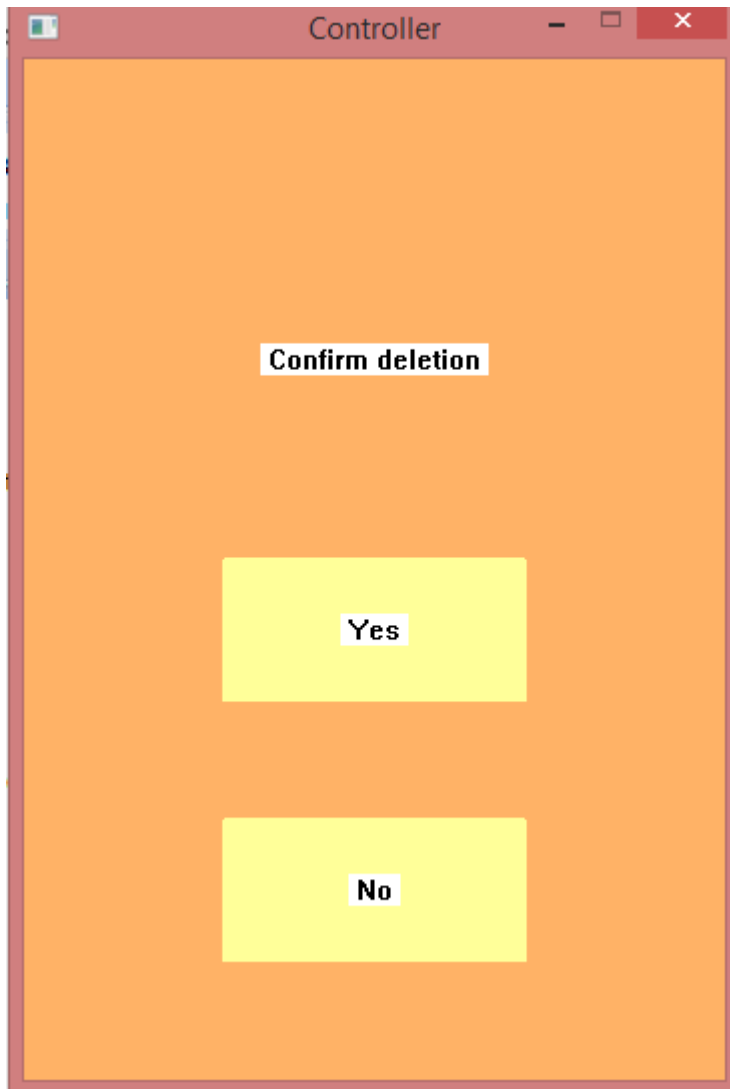
Suppose we wish to modify name:

```
"C:\Users\Dell 1\Desktop\n11_10_Banking_Application\BankingApp.exe"  
Enter your new name<Upto maximum 50 characters>:  
Sample1
```

```
"C:\Users\Dell 1\Desktop\n11_10_Banking_Application\BankingApp.exe"  
Your account was modified successfully.  
_
```

Delete:

This is used to delete the account. You can't access your account once it is deleted.



Log Out:

This button is used to Log-Out from your account. Once you have logged out you come back to the main screen of log-in, create new account and view all accounts.

