**Bank & Consumer Management System**

**Program:**

#include<iostream>

#include<stdlib.h>

#include<string.h>

using namespace std;

class Bank

{

public:

static char Bank\_name[100];

static char IFSC\_code[9];

};

char Bank::Bank\_name[100]="BITTU BANK PRIVATE LIMITED";

char Bank::IFSC\_code[9]="BBIT000L";

class Account

{

private:

int Account\_no;

int Account\_Balance;

public:

void setAccountData(int ACno, int ACbl)

{

this->Account\_no=ACno;

this->Account\_Balance=ACbl;

}

int getAccountNo()

{

return this->Account\_no;

}

int getAccountBalance()

{

return this->Account\_Balance;

}

int getAccountBLchange(int n)

{

this->Account\_Balance=n;

return this->Account\_Balance;

}

};

class Consumer : public Bank, public Account

{

private:

char Name[100];

char DOB[11];

char city[100];

public:

void setAllData()

{

int acno,acbl;

cout<<endl<<endl <<"\t\t\t\t\t=> Enter Your Name :- "; cin>>this->Name;

cout<<endl <<"\t\t\t\t\t=> Enter Your Date Of Birth :- "; cin>>this->DOB;

cout<<endl <<"\t\t\t\t\t=> Enter Your City :- "; cin>>this->city;

cout<<endl <<"\t\t\t\t\t=> Enter Your Account Number :- "; cin>>acno;

cout<<endl <<"\t\t\t\t\t=> Enter Your Initial Account Balance :- "; cin>>acbl;

setAccountData(acno,acbl);

}

int Deposit()

{

int deposit;

cout<<endl<<endl<<"\t\t\t\t\t\* How Many Ruppes Deposit :- "; cin>>deposit;

return deposit;

}

int Withdraw()

{

int withdraw;

cout<<endl<<endl<<"\t\t\t\t\t\* How Many Ruppes Deposit :- "; cin>>withdraw;

return withdraw;

}

void getAllData()

{

cout<<endl<<endl <<"\t\t\t\t\t|-------- "<<this->Name<<" Account --------|"<< endl;

cout<<endl<<endl <<"\t\t\t\t\t=> Your Name :- " << this->Name;

cout<<endl <<"\t\t\t\t\t=> Your Date Of Birth :- " << this->DOB;

cout<<endl <<"\t\t\t\t\t=> Your City :- " << this->city;

cout<<endl <<"\t\t\t\t\t=> Your Account Number :- " << getAccountNo();

cout<<endl <<"\t\t\t\t\t=> Your Account Balance :- " << getAccountBalance();

cout<<endl <<"\t\t\t\t\t=> Your Bank Name :- " << Bank\_name;

cout<<endl <<"\t\t\t\t\t=> Your IFSC Code :- " << IFSC\_code;

}

};

int main()

{

Consumer c[1000];

int choice,i=0,sum;

do

{

cout<<endl<<endl<<endl<<"\t\t\t\t\t|========================================|"<< endl;

cout <<"\t\t\t\t\t|-------- BANK MANAGEMENT SYSTEM --------|"<< endl;

cout <<"\t\t\t\t\t|========================================|"<< endl;

cout<<endl<<endl <<"\t\t\t\t\t -:: MAIN MENU ::- "<< endl;

cout<<endl<<endl <<"\t\t\t\t\t[1] New Account "<< endl;

cout <<"\t\t\t\t\t[2] Deposit Amount "<< endl;

cout <<"\t\t\t\t\t[3] Withdraw Amount "<< endl;

cout <<"\t\t\t\t\t[4] Balance Enquiry "<< endl;

cout <<"\t\t\t\t\t[5] Account Holder List "<< endl;

cout <<"\t\t\t\t\t[0] Exit From Main Menu "<< endl;

cout<<endl<<endl <<"\t\t\t\t\t=> Select Any Option :- ";

cin >> choice;

switch(choice)

{

case 1:

c[i+1].setAllData();

i++;

break;

case 2:

if(i>0)

{

sum=c[i].getAccountBalance()+c[i].Deposit();

cout<<endl <<"\t\t\t\t\t=> After Deposit Your Account Balance is :- "<<c[i].getAccountBLchange(sum)<<endl;

}

else

{

cout<<endl<<endl <<"\t\t\t\t\t~: You can't Deposit Without Creat an Account :~";

}

break;

case 3:

if(i>0)

{

sum=c[i].getAccountBalance()-c[i].Withdraw();

cout<<endl <<"\t\t\t\t\t=> After Deposit Your Account Balance is :- "<<c[i].getAccountBLchange(sum)<<endl;

}

else

{

cout<<endl<<endl <<"\t\t\t\t\t~: You can't Withdraw Without Creat an Account :~";

}

break;

case 4:

if(i>0)

{

if(i>1)

{

cout<<endl <<"\t\t\t\t\t=> Your Account Balance is :- "<<c[i].getAccountBLchange(sum)<<endl;

}

else

{

cout<<endl <<"\t\t\t\t\t=> Your Account Balance is :- "<<c[i].getAccountBalance()<<endl;

}

}

else

{

cout<<endl<<endl <<"\t\t\t\t\t~: You can't Check Account Balance Without Creat an Account :~";

}

break;

case 5:

if(i>0)

{

c[i].getAllData();

}

else

{

cout<<endl<<endl <<"\t\t\t\t\t~: You can't Watch Account Holder List :~";

}

break;

case 0:

break;

default:

cout<<endl <<"\t\t\t\t\t=> Invalid choice.......... :- ";

break;

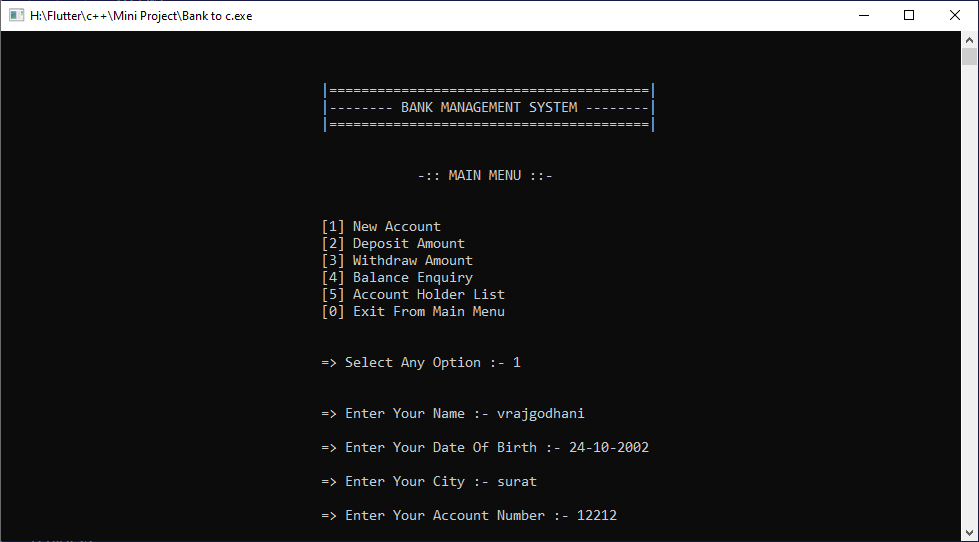
}

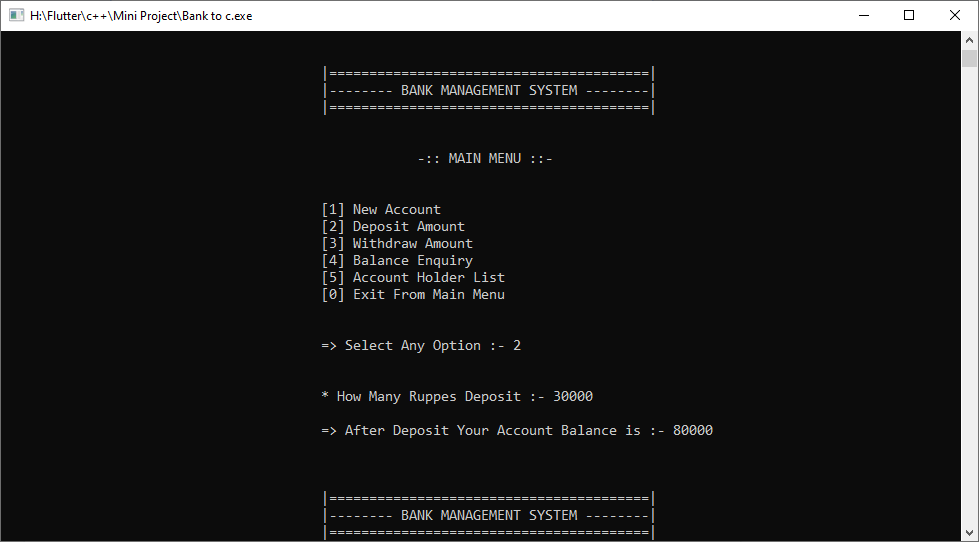
}while(choice!=0);

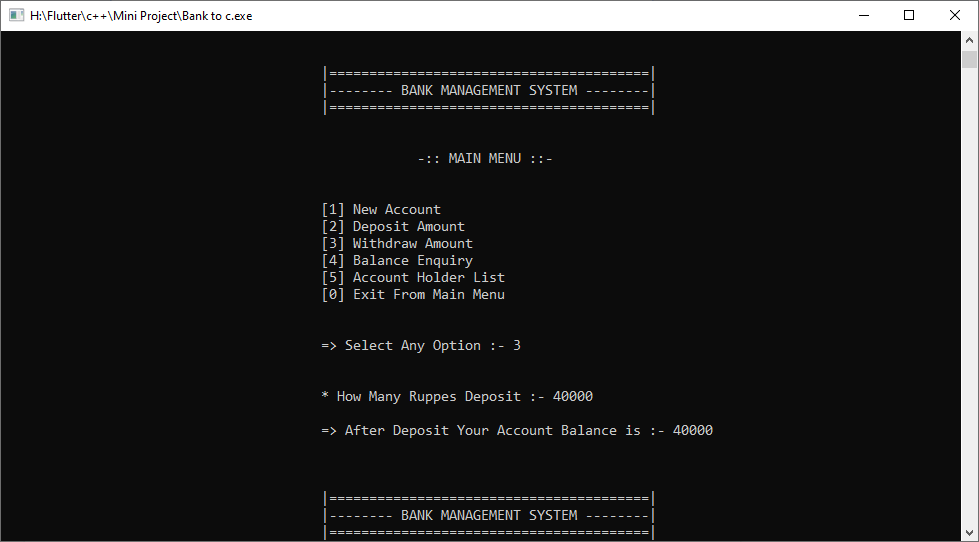
return 0;

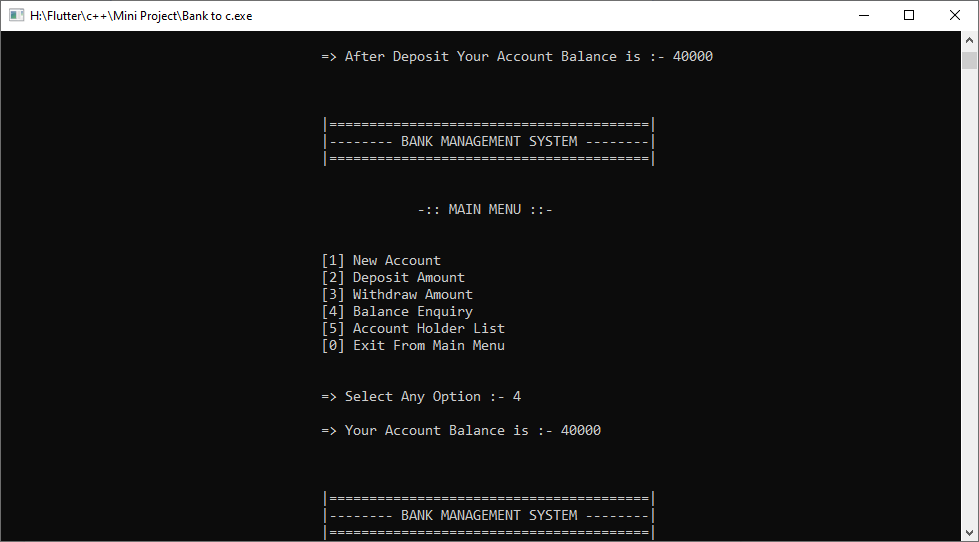
}

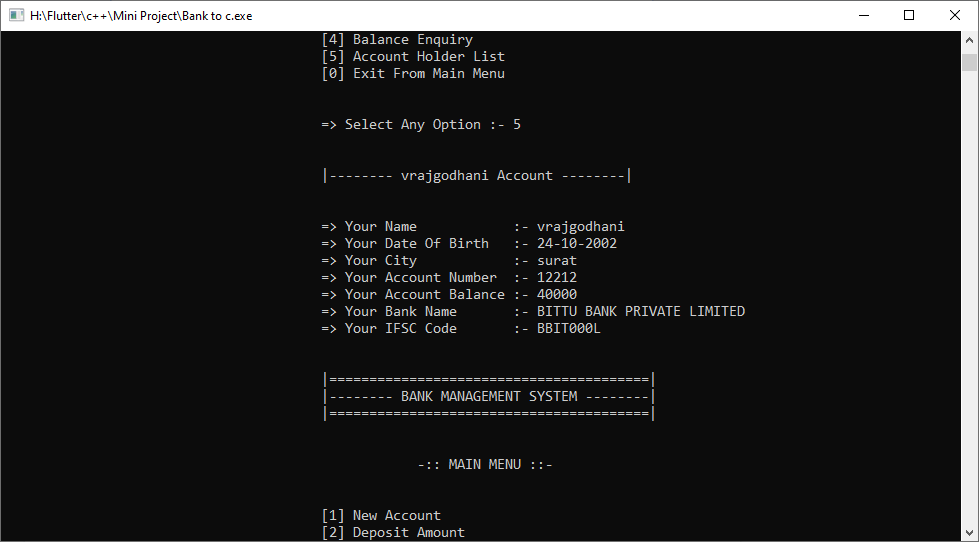
**Output:**

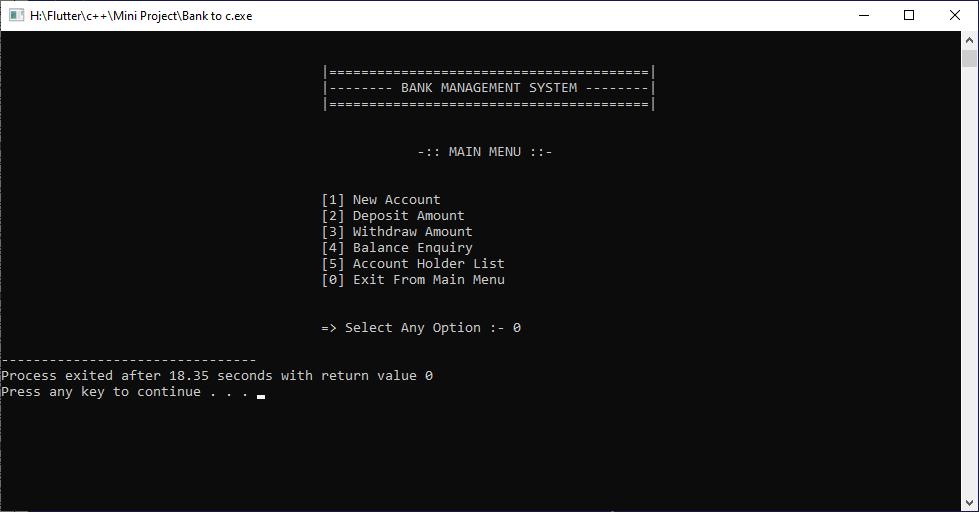
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