//Program for OOPS Practical 2

#include <iostream>

#include <cstdlib>

#include <ctime>

#include <string>

using namespace std;

class bank {

private:

string name;

long acc\_no;

char type[10];

long bamt;

public:

void initalize(){

cout << "Enter Your name: ";

cin.ignore();

getline(cin,name);

cout<<"Enter the type of account (Current=c || Saving=s): ";

cin>>type;

cout<<"Enter the Balance Amount: ";

cin>>bamt;

srand(time(nullptr));

acc\_no = rand() % 900000000000 + 100000000000;

}

void deposit(){

long dep;

cout<<endl<<"Enter the amount you want to deposit: ";

cin>>dep;

bamt=bamt+dep;

cout<<endl<<"The amount is deposited sucessfully!!!";

cout<<endl<<"Your Current balance is: "<<bamt;}

void enquiry\_wd(){

long wd;

char opt;

cout<<endl<<"Your Current balance is: "<<bamt;

cout<<endl<<"Enter the amount to be Withdrawned: ";

cin>>wd;

bamt=bamt-wd;

cout<<endl<<"The amount is Withdrawned sucessfully!!!";

cout<<endl<<"Your Available balance is: "<<bamt;

}

void display(){

cout<<endl<<"------------------------------";

cout<<endl<<" Bajaj Bank ";

cout<<endl<<"------------------------------";

cout<<endl<<"Name: "<<name;

cout<<endl<<"Type of account : "<<type;

cout<<endl<<"Account Number: "<<acc\_no;

cout<<endl<<"Balance Amount: "<<bamt;

cout<<endl<<"------------------------------";

}

};

int main(){

bank b;

int choice;

while(1){

cout << "\n~~~~~~~~~~~~~~~~~~~~~~~~~~"

<< "~~~~~~~~~~WELCOME~~~~~~~~~~"

<< "~~~~~~~~~~~~~~~~~~~~~~~~~~~~\n";

cout << "Enter Your Choice\n";

cout << "\t1. Enter name, Account "

<< "number, Account type\n";

cout << "\t2. Deposit Money\n";

cout << "\t3. Balance Enquiry and Withdraw Money\n";

cout << "\t4. Display the account info\n";

cout << "\t5. Cancel\n";

cin >> choice;

switch(choice){

case 1:

b.initalize();

break;

case 2:

b.deposit();

break;

case 3:

b.enquiry\_wd();

break;

case 4:

b.display();

break;

case 5:

exit(1);

break;

default:

cout << "\nInvalid choice\n";

}

}

return 0;

}

Output





