// Bank account:

**Account.h :**

#include<iostream>

using namespace std;

#include<string.h>

class BankAcc

{

int accNo;

char name[20];

double balance;

static double interest;

public:

BankAcc();

BankAcc(int,char\*,double);

void setAccNo(int );

void setName(char\*);

void setBalance(double);

int getAccNo();

char\* getName();

double getBalance();

void display();

void changeInterest(double);

static void displayInterest();

};

**Account.cpp :**

#include"bank\_acc.h"

double BankAcc :: interest=2.5;

BankAcc :: BankAcc()

{

this->accNo=0;

strcpy(this->name,"not\_given");

this->balance=balance;

}

BankAcc :: BankAcc(int acc,char\* n,double b)

{

this->accNo=acc;

strcpy(this->name,n);

this->balance=b;

}

void BankAcc :: setAccNo(int acc)

{

this->accNo=acc;

}

void BankAcc :: setName(char \*n)

{

strcpy(this->name,n);

}

void BankAcc :: setBalance(double b)

{

this->balance=b;

}

int BankAcc :: getAccNo()

{

return this->accNo;

}

char\* BankAcc :: getName()

{

return this->name;

}

double BankAcc :: getBalance()

{

return this->balance;

}

void BankAcc :: display()

{

cout<<"\nAccount details:\nAccount no.: "<<this->accNo<<"\tName: "<<this->name<<" \tBalance: "<<this->balance<<"\nTotal balance: "<<this->balance+(this->balance\*interest)<<"\n";

}

void BankAcc :: displayInterest()

{

cout<<"\nCurrent Interest rate: "<<interest<<"\n";

}

void BankAcc::changeInterest(double in)

{

interest=in;

}

**Main.cpp :**

#include"bank\_acc.h"

int main()

{

BankAcc::displayInterest();

BankAcc b1(42,"pragati",50000);

BankAcc b2(52,"prakruti",60000);

b1.display();

b2.display();

b1.changeInterest(3.5);

b1.display();

b2.display();

BankAcc::displayInterest();

return 0;

}