// 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;
}
```