```cpp
/*
Q3.Implement Q2 with one static data member  interest_rate.  Specify
following new functions :
a.   A static function to display interest rate.
b.   A static function to change interest rate to the value as specified
by user.
c.   A function to cal interest and add it to balance.
d.   Include a friend function to compare the balance of two account
numbers.
*/

#include <iostream>
#include <cstdlib>

using namespace std;
class bank_account            //declare a class
{
    int acc_no;
    static float interest_rate;
    char type[10],name[20];
    float balance;
    public:
    void input();
    void output();
    void withdraw();
    int deposit();
    void total_amount();
    friend void compare(bank_account,bank_account);  //friend function
    static  float interest_is()
    {
        return interest_rate;
    }
    static float change_interest_rate()
    {
        cout<<"Enter New Interest rate";
        cin>>interest_rate;
    }
};
float bank_account::interest_rate=5;
      void compare(bank_account a1,bank_account a2)
      {
         if(a1.balance>a2.balance)
                cout<<"\nA has greater balance";
         else
            cout<<"\nB has greater balance";
```
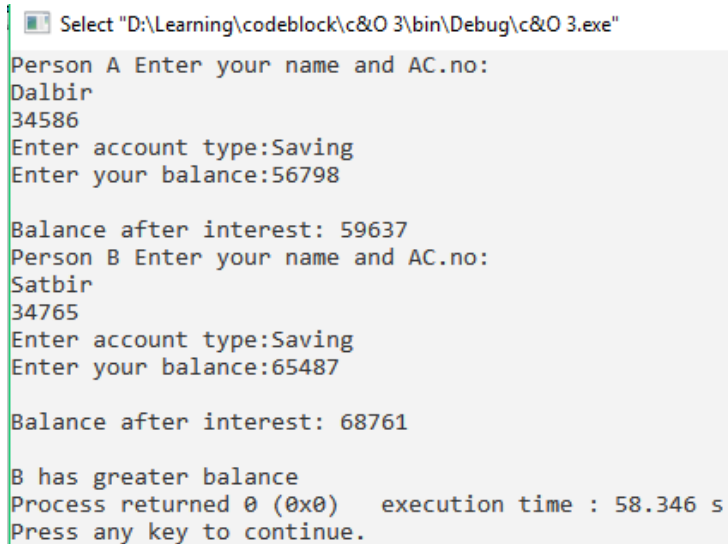
```cpp
        }
void bank_account::total_amount()
{    int interest=0;
    interest=balance*(interest_rate/100);
    balance=interest+balance;
    cout<<"Balance after interest: "<<balance<<endl;
}
void bank_account::input()
{
    cout<<"Enter your name and AC.no:\n";
    cin>>name>>acc_no;
    cout<<"Enter account type:";
    cin>>type;
    cout<<"Enter your balance:";
    cin>>balance;
    cout<<endl;
}
void bank_account::output()
{
    cout<<"Name:"<<name<<" Account no:"<<acc_no;
    cout<<endl<<"Bank type:"<<type<<endl<<"Balance:"<<balance<<endl;
}
int bank_account::deposit()
{   int amt;
    cout<<"Enter Amount to deposit:";
    cin>>amt;
    balance=balance+amt;
    cout<<"Balance: "<<balance;
}
void bank_account::withdraw()
{   int amt;
     cout<<"Enter Amount to withdrawn:";
     cin>>amt;
    if(balance>amt)
    {
        cout<<"CASH WITHDRAWN ";
        balance=balance-amt;
        cout<<"Balance:"<<balance;
    }
    else
    {cout<<"Insufficient amount";
    }
}
int main()
{
```

```cpp
    bank_account a1,a2;
    cout<<"Person A ";
    a1.input();
    a1.total_amount();
    cout<<"Person B ";
    a2.input();
    a2.total_amount();
    compare(a1,a2);
}
```

OUTPUT

```
Person A Enter your name and AC.no:
Dalbir
34586
Enter account type:Saving
Enter your balance:56798

Balance after interest: 59637
Person B Enter your name and AC.no:
Satbir
34765
Enter account type:Saving
Enter your balance:65487

Balance after interest: 68761

B has greater balance
Process returned 0 (0x0)   execution time : 58.346 s
Press any key to continue.
```