**C-Program**

**Banking System**

**Input**

Saksham Sharma, [09-12-2023 20:18]

#include<stdio.h>

struct myStructure {

int yeardob;

int monthdob;

int datedob;

int age;

long int pnum;

char name[20];

char name2[20];

char f1name[20];

char f2name[20];

};

int main()

{

struct myStructure s1;

int typeofaccount,debit,text;

float newbalance;

printf("\n\t\t -----------|WELCOME SIR|-----------");

printf("\n\n\n\t\t<\_\_ TO OPEN BANK ACCOUNT\_\_>\n");

printf("\n\t\t\tTYPE OF ACCOUNT:\n");

printf("\nChoose the type of account you want-\n\tFor Current Account enter 1:\n\tFor Saving Account enter 2:\n");

scanf("%d",&typeofaccount);

if(typeofaccount==1)

{

printf("\n\t\t\t\tYou have choosen Current Account\n\n");

printf("\n\t\t\t\tEnter the following details given below:");

printf("\nEnter your first name:");

scanf("%s",&s1.name);

printf("\nEnter your surname:");

scanf("%s",&s1.name2);

printf("\nEnter your date of birth in tris form dd/mm/yyyy:");

scanf("%d %d %d",&s1.datedob,&s1.monthdob,&s1.yeardob);

printf("\nEnter your age:");

scanf("%d",&s1.age);

printf("\nEnter your fathers first name:");

scanf("%s",&s1.f1name);

printf("\nEnter your fathers surname:");

scanf("%s",&s1.f2name);

printf("\nEnter your phone number:");

scanf("%ld",&s1.pnum);

printf("\n\t\t\t\tDisplaying Information:");

printf("\nName:%s %s\n",s1.name,s1.name2);

printf("\nDate Of Birth:%d-%d-%d\n",s1.datedob,s1.monthdob,s1.datedob);

printf("\nAge:%d\n",s1.age);

printf("\nFathers Name:%s %s\n",s1.f1name,s1.f2name);

printf("\nPhone Number:%ld\n",s1.pnum);

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

float amount,interestcharge,interestgiven,sheet;

printf("\n\n\n\t\t\t\tFOR OPENING OF BANK ACCOUNT\n");

printf("\nEnter the amount you will transfer for opening of bank account:\n\nMinium money required to open bank account is Rs 5000: ");

scanf("%f",&amount);

while(amount<5000)

{

printf("\nRe enter the amount\nAmount should be greater than 5000:\n ");

scanf("%f",&amount);

}

if(amount>=5000)

{

printf("\n\n\t\t\t\tThankyou for entering the amount\n");

}

printf("\n\n\t\t\tYour account has been created successfully\n");

printf("\n\n\t\t\t\tCurrent balance:Rs%f\n",amount);

printf("\nBalance can go to -Rs50000\n");

int trawith;

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\n\t\t\t\tTO TRANSFER OR WITHDRAW");

printf("\n\n\nIf you want to transfer money to the bank account or withdraw money from bank account,enter 0:\n ");

scanf("%d",&trawith);

int enter,transfer,withdraw,aftertransfer,afterwithdraw;

if(trawith==0)

{

printf("\nFor transferring money to the bank account enter 1:\n");

printf("\nFor withdrawing money from the bank account enter 2:\n");

scanf("%d",&enter);

if(enter==1)

{printf("\n\n\n\t\t\t\tFOR TRANSFERRING");

printf("\nEnter the amount you want to transfer to the bank account:");

scanf("%d",&transfer);

aftertransfer=amount+transfer;

printf("\n\n\t\t\t\tCurrent balance:Rs%d",aftertransfer);

if(aftertransfer<0)

{

printf("\n6%% per annum will be charge on negative balance");

interestcharge=(6\*(-aftertransfer))/100.;

printf("\nInterest Charge:%f",interestcharge);

newbalance=aftertransfer-interestcharge;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

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printf("\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f interest charge %f ",amount,interestcharge);

printf("\n to balance c/d %f ",newbalance);

printf("\n transfer amount %d ",transfer);

printf("\n \_\_\_ \_\_");

printf("\n %f %f ",amount,amount);

}

if(aftertransfer>0)

{

printf("\n4%% compound interest will be provided for positive balance");

interestgiven=aftertransfer\*(1+4/100.);

printf("\nInterest Provided:%f",interestgiven);

interestgiven=interestgiven-aftertransfer;

newbalance=aftertransfer+interestgiven;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\n\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f to balance c/d %f ",amount,newbalance);

printf("\n inerest given %f ",interestgiven);

printf("\n transfer amount %d ",transfer);

printf("\n \_\_\_ \_\_");

printf("\n Total %f %f ",newbalance,newbalance);

}

}

if(enter==2)

{printf("\n\n\t\t\t\tFOR WITHDRAWING");

printf("\nEnter the amount you want to withdraw from the bank account:");

scanf("%d",&withdraw);

afterwithdraw=amount-withdraw;

printf("\n\n\n\t\t\t\tCurrent balance:Rs%d",afterwithdraw);

if(afterwithdraw<0)

{

printf("\n6%% per annum will be charge on negative balance");

interestcharge=(6\*(-afterwithdraw))/100.;

printf("\nInterest Charge:%f",interestcharge);

newbalance=afterwithdraw-interestcharge;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f interest charge %f ",amount,interestcharge);

printf("\n to balance c/d %f ",newbalance);

printf("\n withdraw amount %d ",withdraw);

printf("\n \_\_\_ \_\_");

printf("\n %f %f ",amount,amount);

}

if(afterwithdraw>0)

{

printf("\n4%% compound interest will be provided for positive balance");

interestgiven=afterwithdraw\*(1+(4/100.));

printf("\nInterest Provided:%f",interestgiven);

interestgiven=interestgiven-afterwithdraw;

newbalance=afterwithdraw+interestgiven;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\n\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f to balance c/d %f ",amount,newbalance);

printf("\n inerest given %f ",interestgiven);

printf("\n withdraw amount %d ",withdraw);

printf("\n \_\_\_ \_\_");

printf("\n Total %f %f ",newbalance,newbalance);

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}

}

}

}

if(typeofaccount==2)

{

printf("\n\n\n\n\t\t\t\tYou have choose Saving Account\n\n");

printf("\n\n\n\t\t\t\tEnter the following details given below:");

printf("\nEnter your first name:");

scanf("%s",&s1.name);

printf("\nEnter your surname:");

scanf("%s",&s1.name2);

printf("\nEnter your date of birth:");

scanf("%d %d %d",&s1.datedob,&s1.monthdob,&s1.yeardob);

printf("\nEnter your age:");

scanf("%d",&s1.age);

printf("\nEnter your fathers first name:");

scanf("%s",&s1.f1name);

printf("\nEnter your fathers surname:");

scanf("%s",&s1.f2name);

printf("\nEnter your phone number:");

scanf("%ld",&s1.pnum);

printf("\n\n\n\t\t\t\tDisplaying Information:");

printf("\nName:%s %s\n",s1.name,s1.name2);

printf("\nDate Of Birth:%d %d %d\n",s1.datedob,s1.monthdob,s1.datedob);

printf("\nAge:%d\n",s1.age);

printf("\nFathers Name:%s %s\n",s1.f1name,s1.f2name);

printf("\nPhone Number:%ld\n",s1.pnum);

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

float amount,interestcharge,interestgiven;

printf("\n\n\n\t\t\t\tFOR OPENING OF BANK ACCOUNT");

printf("\nEnter the amount you will transfer for opening of bank account:\n\nMinium money required to open bank account is Rs 100:\n ");

scanf("%f",&amount);

while(amount<100)

{

printf("\nRe enter the amount\nAmount should be greater than 100:\n ");

scanf("%f",&amount);

}

if(amount>=100)

{

printf("\n\n\t\t\t\tThankyou for entering the amount");

}

printf("\n\n\n\t\t\t\tYour account has been created successfully\n");

printf("\n\n\n\t\t\t\tCurrent balance:Rs%f\n",amount);

printf("\nBalance can go to Rs50\n");

int trawith;

printf("\n\n\n\t\t\t\tTO TRANSFER OR WITHDRAW");

printf("\n\nIf you want to transfer money to the bank account or withdraw money from bank account,enter 0:\n ");

scanf("%d",&trawith);

int enter,transfer,withdraw,aftertransfer,afterwithdraw;

if(trawith==0)

{

printf("\nFor transferring money to the bank account enter 1:\n");

printf("\nFor withdrawing money from the bank account enter 2:\n");

scanf("%d",&enter);

if(enter==1)

{printf("\n\n\n\t\t\t\tFOR TRANSFERRING");

printf("\nEnter the amount you want to transfer to the bank account:");

scanf("%d",&transfer);

aftertransfer=amount+transfer;

printf("\n\n\t\t\t\tCurrent balance:Rs%d",aftertransfer);

if(aftertransfer<50)

{

printf("\n6%% per annum will be charge on negative balance");

interestcharge=(6\*(-aftertransfer))/100.;

printf("\nInterest Charge:%f",interestcharge);

newbalance=aftertransfer-interestcharge;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f interest charge %f ",amount,interestcharge);

printf("\n to balance c/d %f ",newbalance);

printf("\n transfer amount %d ",transfer);;

printf("\n \_\_\_ \_\_");

printf("\n %f %f ",amount,amount);

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}

if(aftertransfer>50)

{

printf("\n4%% compound interest will be provided for positive balance");

interestgiven=aftertransfer\*(5/100.);

printf("\nInterest Provided:%f",interestgiven);

newbalance=aftertransfer+interestgiven;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\n\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f to balance c/d %f ",amount,newbalance);

printf("\n inerest given %f ",interestgiven);

printf("\n transfer amount %d ",transfer);

printf("\n \_\_\_ \_\_");

printf("\n Total %f %f ",newbalance,newbalance);

}

}

if(enter==2)

{printf("\n\n\n\t\t\t\tFOR WITHDRAWING");

printf("\nEnter the amount you want to withdraw to the bank account:");

scanf("%d",&withdraw);

afterwithdraw=amount-withdraw;

printf("\n\n\t\t\t\tCurrent balance:Rs%d",afterwithdraw);

if(afterwithdraw<50)

{

if(afterwithdraw<0)

{

printf("\n6%% per annum will be charge on negative balance");

interestcharge=(10\*(-afterwithdraw))/100.;

printf("\nInterest Charge:%f",interestcharge);

newbalance=afterwithdraw-interestcharge;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f interest charge %f ",amount,interestcharge);

printf("\n to balance c/d %f ",newbalance);

printf("\n withdraw amount %d ",withdraw);

printf("\n \_\_\_ \_\_");

printf("\n %f %f ",amount,amount);

}

if(afterwithdraw>=0)

{

printf("\n6%% per annum will be charge on negative balance");

interestcharge=(10\*(afterwithdraw))/100.;

printf("\nInterest Charge:%f",interestcharge);

newbalance=afterwithdraw-interestcharge;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

printf("\n to balance b/d %f interest charge %f ",amount,interestcharge);

printf("\n to balance c/d %f ",newbalance);

printf("\n withdraw amount %d ",withdraw);

printf("\n \_\_\_ \_\_");

printf("\n %f %f ",amount,amount);

}

}

if(afterwithdraw>50)

{

printf("\n5%% compound interest will be provided for positive balance");

interestgiven=afterwithdraw\*(5/100.);

printf("\nInterest Provided:%f",interestgiven);

newbalance=afterwithdraw+interestgiven;

printf("\n\n\t\t\t\tCurrent Balance:Rs%f",newbalance);

printf("\n\n\n\t\t\t\tBALANCE SHEET");

printf("\n PARTICULARS RS PARTICULARS RS");

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printf("\n to balance b/d %f to balance c/d %f ",amount,newbalance);

printf("\n inerest given %f ",interestgiven);

printf("\n withdraw amount %d ",withdraw);

printf("\n \_\_\_ \_\_");

printf("\n Total %f %f ",newbalance,newbalance);

}

}

}

}

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\n\n\t\t\t\tFor DEBIT CARD");

printf("\n\n\nIf you want to issue debit card enter 1 else enter 2 for not issuing");

printf("\nAfter issuing debit card Rs10 will be charged per quarter");

scanf("%d",&debit);

if(debit==1){

printf("\nDebit card has been issued successfully");

newbalance=newbalance-10;

printf("\n\n\t\t\t\tCurrent balance will be %f",newbalance);

printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\n\n\t\t\t\tFor TEXT MESSAGE SERVICE");

printf("\n\n\nIf you want to opt text message service enter 1:");

printf("\nAfter opting forText message service Rs50 will be charged per quarter");

scanf("%d",&text);

if(text==1)

{

printf("\nText message service has been issued successfully");

newbalance=newbalance-50;

printf("\n\n\t\t\t\tCurrent balance will be %f",newbalance);

}

}

else if(debit==2){ printf("\n\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\n\n\t\t\t\tFor TEXT MESSAGE SERVICE");

printf("\n\n\nIf you want to opt text message service enter 1:");

printf("\nAfter opting forText message service Rs50 will be charged per quarter");

scanf("%d",&text);

if(text==1)

{

printf("\nText message service has been issued successfully");

newbalance=newbalance-50;

printf("\n\n\t\t\t\tCurrent balance will be %d",newbalance);

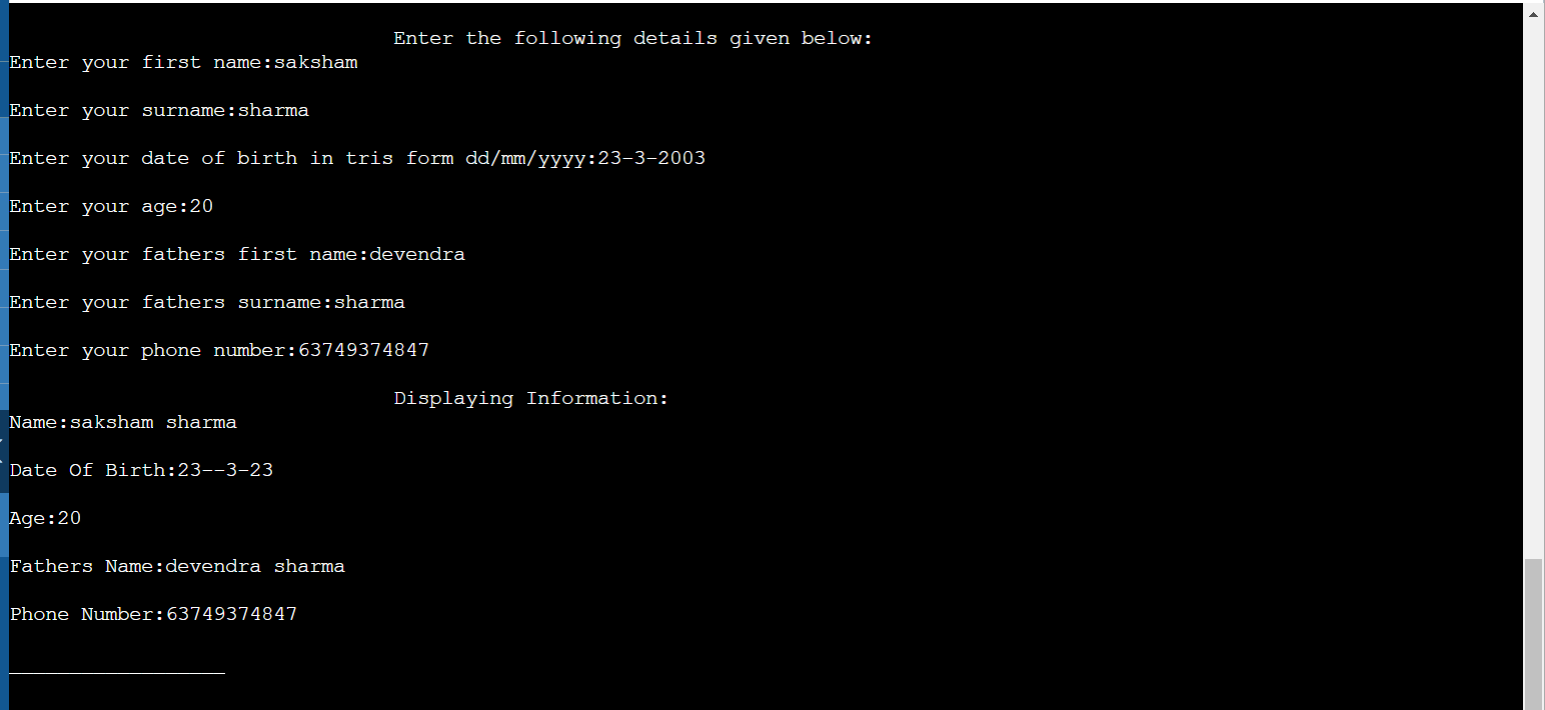
}

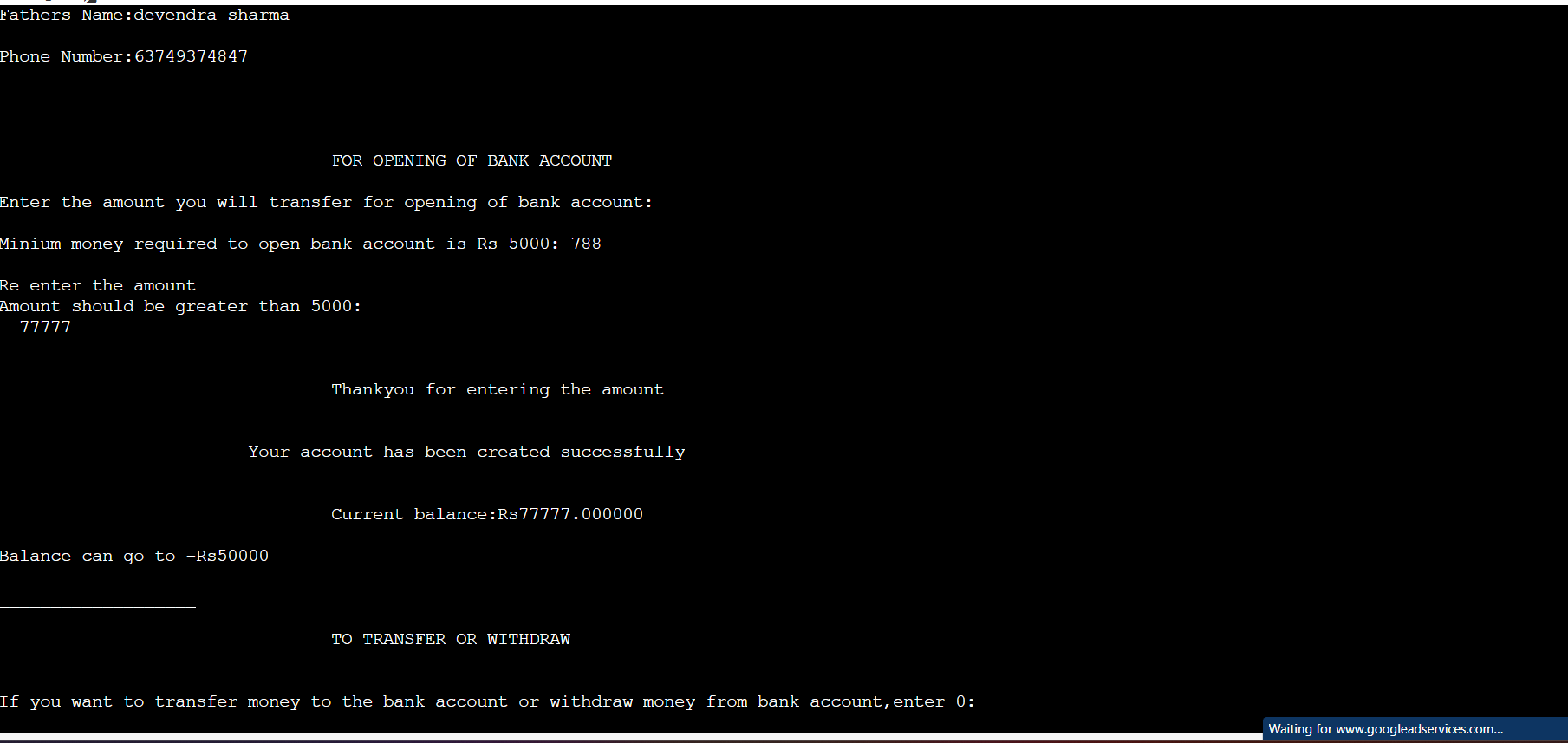
}

printf("\n\n\t\t-----------|THANKYOU FOR VISITING|------------");

return 0;

}

**output**

****