

```

/*****
/*****Name:- Divesh Uttamchandani*****/
/*****Class :- XII A *****/
/*****Date :- 07 July 2014 *****/
/*****Q-5) :- Bank *****/
/*****

```

```

#include<iostream.h>
#include<conio.h>
#include<process.h>
#include<ctype.h>

```

```

int n=0,an=1000;

```

```

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
class bank
{
    int    acno;
    char   acnm[20];
    int    bal;
    char   type;

public:
    void   enter();
    void   display();

    void   withdraw(int amt);
    void   deposit(int amt);

    int    ret_acno();
};
//_____//

void   bank::enter()
{
    acno=an++;
    cout<<"\nA/C Name\t"; cin>>acnm;
    cout<<"A/C Bal\t\t"; cin>>bal;
    cout<<"A/C Type\t"; cin>>type;
    cout<<"\nEntry Updated. "<<"The A/C No Alloted Is "<<acno;
}
//.....//

void   bank::display()
{
    cout<<"\nA/C No\t\t:"<<acno;
    cout<<"\nA/C Name\t:"<<acnm;
    cout<<"\nBalance\t\t:"<<bal;
    cout<<"\nType\t\t:"<<type;
}
//_____//

```

```
//
void bank::withdraw(int amt)
{
    if(bal-amt>1000)
    {
        bal-=amt;
        cout<<"Withdrawal Successful!\n New A/C Balance is\t"<<bal<<"\n";
    }

    else
    {
        cout<<"Withdrawal Could Not Be Done Due To Insufficient Funds In The A/C";
        cout<<"\nPresent A/C Balance Is\t"<<bal<<"\n";
    }
    getch();
}
//.....
void bank::deposit(int amt)
{
    bal+=amt;
}
//
int bank::ret_acno()
{
    return acno;
}
////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

//*****//

void main()
{
    clrscr();

    bank b[20];
    int n,ch;

    do
    {
        cout <<"\nMain Menu"
            <<"\n1)Add An Account"
            <<"\n2)Display"
            <<"\n3)Withdaraw"
            <<"\n4)Deposit"
            <<"\n5)Exit";
        cout<<"\n\enter choice";cin>>ch;
        switch(ch)
        {
            case 1:
                b[n++].enter();
                break;
```

```

case 2:
{
    int temp;
    cout<<"Enter A/C No.\t"; cin>>temp;
    for(int i=0; i<n;i++)
    {
        if(b[i].ret_acno()==temp)
            b[i].display();
    }
}
break;
case 3:
{
    int temp,amt;
    cin>>temp>>amt;
    for(int i=0; i<n;i++)
    {
        if(b[i].ret_acno()==temp)
        {
            b[i].withdraw(amt);
        }
    }
}
break;
case 4:
{
    int temp,amt;
    cin>>temp>>amt;
    for(int i=0; i<n;i++)
    {
        if(b[i].ret_acno()==temp)
        {
            b[i].deposit(amt);
        }
    }
}
break;
case 5:
    exit(0);
    break;
default:cout<<"\ninvalid choice";
}
cout<<"\nPress Y to Continue\t";
}while(toupper(getche())=='Y');
}
//*****End Of Main*****//

```

OUTPUT

```
Main Menu
1)Add An Account
2)Display
3)Withdaraw
4)Deposit
5)Exit

enter choice1

A/C Name      Div
A/C Bal       1100
A/C Type      t
Entry Updated. The A/C No Alloted Is 1000
Press Y to Continue    y
Main Menu
1)Add An Account
2)Display
3)Withdaraw
4)Deposit
5)Exit

enter choice2
Enter A/C No.   1000

A/C No        :1000
A/C Name      :Div
Balance       :1100
Type          :t
Press Y to Continue    y
Main Menu
1)Add An Account
2)Display
3)Withdaraw
4)Deposit
5)Exit

enter choice2
Enter A/C No.   1000

A/C No        :1000
A/C Name      :Div
Balance       :1100
Type          :t
Press Y to Continue    y
Main Menu
1)Add An Account
2)Display
3)Withdaraw
4)Deposit
5)Exit

enter choice3

1000
100
```

```
Withdrawal Could Not Be Done Due To Insufficient Funds In The A/C
Present A/C Balance Is 1100
Press Y to Continue y
Main Menu
1)Add An Account
2)Display
3)Withdaraw
4)Deposit
5)Exit

enter choice3
1000
1
Withdrawal Successful!
New A/C Balance is 1099
```