

Practical 3.(b)

Aim: Write a C++ program for Structure bank employee to print name of the employee, account_no. & balance. Display the name also display the balance after withdraw and deposit.

Algorithm:(i)Start

(ii)class{..};void{...};

(iii)Main function

(iv)Print the result

(v)Stop

Theory:In this practical,we will see a C++ program for Structure bank employee to print name of the employee, account_no. & balance. Displaythe name also display the balance after withdraw and deposit.

Program:

```
#include <iostream>
```

```
#include<string.h>
```

```
class Bank
```

```
{
```

```
    private:
```

```
    int Accno;
```

```
char AccName;  
char AccType;  
float BalanceAmt;  
public:  
void getAccountDetails()  
{  
    std::cout<<"Please enter account details: "<<std::endl;  
    std::cout<<"Account Number: "<<std::endl;
```

```
std::cin>>Accno;
std::cout<<"Account Holder Name: "<<std::endl;
std::cin>>AccName;
std::cout<<"Account Type(c-Current,s-
Savings):"<<std::endl;
std::cin>>AccType;
std::cout<<"Balance Amount: "<<std::endl;
std::cin>>BalanceAmt;
}
void printAccountDetails()
{
std::cout<<"Account holder details: "<<std::endl;
std::cout<<" ..... "<<std::endl;
std::cout<<"Account Number: "<<std::endl;
std::cout<<"Name: "<<AccName<<std::endl;
std::cout<<"Account type: "<<AccType<<std::endl;
std::cout<<"Balance
Amount:"<<BalanceAmt<<std::endl;
std::cout<<" ..... "<<std::endl;
}
```

```
void doTransaction()
{
    char type;
    float tamt;
    std::cout<<"Transaction Process"<<std::endl;
    std::cout<<" ..... ";
    std::cout<<"Get transaction amount: "<<std::endl;
    std::cin>>tamt;
    std::cout<<"Get transaction type(W-withdraw,D-
deposit):"<<std::endl;
    std::cin>>type;
    if(type=='W' || type=='w')
    {
        if(BalanceAmt-tamt>0)
        {
            BalanceAmt = BalanceAmt-tamt;
            std::cout<<"Transaction completed"<<std::endl;
            std::cout<<"Your current Balance
is"<<BalanceAmt<<std::endl;
        }
    }
}
```

```

        else
        {
            std::cout<<"Sorry! Insufficient funds in your
account."<<std::endl;
        }
    }
    else if(type=='D' || type=='d')
    {
        BalanceAmt=BalanceAmt+tamt;
        std::cout<<"Your current balance
is"<<BalanceAmt<<std::endl;}
    }
};

int main()
{
    Bank B;
    B.getAccountDetails();
    std::cout<<" ..... "<<std::endl;
    std::cout<<"Account Details Before
Transaction"<<std::endl;

```

```

    B.printAccountDetails();

    B.doTransaction();

    std::cout<<" ..... "<<std::endl;

    std::cout<<"Account Details after
Transaction"<<std::endl;

    B.printAccountDetails();

    return 0;}

```

Output:

Output
Clear

```

08_Rabin Nadar
Please enter account details:
Account Number:
8909898754
Account Holder Name: Rabin
Account Type(c-Current,s-Savings):s
Balance Amount: 5000
.....
Account Details Before Transaction
Account holder details:
.....
Account Number: 8909898754
Name: Rabin
Account type: s
Balance Amount: 5000
.....
Transaction Process
.....Get transaction amount:2000
Get transaction type(W-withdraw,D-deposit):D
.....
Account Details after Transaction
Account holder details:
.....
Account Number: 8909898754
Name: Rabin
Account type: s
Balance Amount: 7000
.....

```

Conclusion:We have successfully written the code and executed it.