

```
import pickle
import os
import pathlib
class Account :
    accNo = 0
    name = ''
    deposit=0
    type = ''

    def createAccount(self):
        self.accNo=
int(input("Enter the account no :
"))
        self.name = input("Enter
the account holder name : ")
        self.type = input("Ente the
type of account [C/S] : ")
        self.deposit =
int(input("Enter The Initial
amount(>=500 for Saving and >=1000
for current"))
        print("\n\n\nAccount
Created")
```

```
def showAccount(self):  
    print("Account Number :  
",self.accNo)  
    print("Account Holder Name  
: ", self.name)  
    print("Type of  
Account",self.type)  
    print("Balance :  
",self.deposit)  
  
def modifyAccount(self):  
    print("Account Number :  
",self.accNo)  
    self.name = input("Modify  
Account Holder Name :")  
    self.type = input("Modify  
type of Account :")  
    self.deposit =  
int(input("Modify Balance :"))  
  
def depositAmount(self,amount):  
    self.deposit += amount
```

```
def
withdrawAmount(self, amount):
    self.deposit -= amount

def report(self):
    print(self.accNo, "
", self.name , " ", self.type, " ",
self.deposit)

def getAccountNo(self):
    return self.accNo
def
getAccountHolderName(self):
    return self.name
def getAccountType(self):
    return self.type
def getDeposit(self):
    return self.deposit

def intro():
```

```
        print("\t\t\t\t*****  
*****")  
        print("\t\t\t\tBANK MANAGEMENT  
SYSTEM")  
        print("\t\t\t\t*****  
*****")  
  
        print("\t\t\t\tcreate by :")  
        print("\t\t\t\tsarthak")  
        input()  
  
def writeAccount():  
    account = Account()  
    account.createAccount()  
    writeAccountsFile(account)  
  
def displayAll():  
    file =  
pathlib.Path("accounts.data")  
    if file.exists ():
```

```
        infile =
open('accounts.data','rb')
        mylist =
pickle.load(infile)
        for item in mylist :
            print(item.accNo," ",
item.name, " ",item.type, "
",item.deposit )
            infile.close()
        else :
            print("No records to
display")
```

```
def displaySp(num):
    file =
pathlib.Path("accounts.data")
    if file.exists ():
        infile =
open('accounts.data','rb')
        mylist =
pickle.load(infile)
        infile.close()
```

```
        found = False
        for item in mylist :
            if item.accNo == num :
                print("Your account
Balance is = ",item.deposit)
                found = True
            else :
                print("No records to
Search")
        if not found :
            print("No existing record
with this number")

def depositAndWithdraw(num1,num2):
    file =
pathlib.Path("accounts.data")
    if file.exists ():
        infile =
open('accounts.data','rb')
        mylist =
pickle.load(infile)
        infile.close()
        os.remove('accounts.data')
```

```
        for item in mylist :
            if item.accNo == num1 :
                if num2 == 1 :
                    amount =
int(input("Enter the amount to
deposit : "))
                    item.deposit +=
amount
                    print("Your
account is updted")
                elif num2 == 2 :
                    amount =
int(input("Enter the amount to
withdraw : "))
                    if amount <=
item.deposit :
                        item.deposi
t -=amount
                    else :
                        print("You
cannot withdraw larger amount")

                else :
```

```
        print("No records to  
Search")  
        outfile =  
open('newaccounts.data', 'wb')  
        pickle.dump(mylist, outfile)  
        outfile.close()  
        os.rename('newaccounts.data',  
'accounts.data')  
  
def deleteAccount(num):  
    file =  
pathlib.Path("accounts.data")  
    if file.exists():  
        infile =  
open('accounts.data', 'rb')  
        oldlist =  
pickle.load(infile)  
        infile.close()  
        newlist = []  
        for item in oldlist :  
            if item.accNo != num :
```



```
        newlist.append(item
    )
    os.remove('accounts.data')
    outfile =
open('newaccounts.data','wb')
    pickle.dump(newlist,
outfile)
    outfile.close()
    os.rename('newaccounts.data
', 'accounts.data')

def modifyAccount(num):
    file =
pathlib.Path("accounts.data")
    if file.exists ():
        infile =
open('accounts.data','rb')
        oldlist =
pickle.load(infile)
        infile.close()
        os.remove('accounts.data')
        for item in oldlist :
            if item.accNo == num :
```

```
        item.name =
input("Enter the account holder
name : ")
        item.type =
input("Enter the account Type : ")
        item.deposit =
int(input("Enter the Amount : "))

        outfile =
open('newaccounts.data', 'wb')
        pickle.dump(oldlist,
outfile)
        outfile.close()
        os.rename('newaccounts.data
', 'accounts.data')

def writeAccountsFile(account) :

    file =
pathlib.Path("accounts.data")
    if file.exists ():
```

```
        infile =  
open('accounts.data','rb')  
        oldlist =  
pickle.load(infile)  
        oldlist.append(account)  
        infile.close()  
        os.remove('accounts.data')  
    else :  
        oldlist = [account]  
    outfile =  
open('newaccounts.data','wb')  
    pickle.dump(oldlist, outfile)  
    outfile.close()  
    os.rename('newaccounts.data',  
'accounts.data')
```

```
# start of the program
```

```
ch= ''
```

```
num=0
```

```
intro()
```

```
while ch != 8:
```

```
#system("cls");
print("\tMAIN MENU")
print("\t1. NEW ACCOUNT")
print("\t2. DEPOSIT AMOUNT")
print("\t3. WITHDRAW AMOUNT")
print("\t4. BALANCE ENQUIRY")
print("\t5. ALL ACCOUNT HOLDER
LIST")
print("\t6. CLOSE AN ACCOUNT")
print("\t7. MODIFY AN ACCOUNT")
print("\t8. EXIT")
print("\tSelect Your Option (1-
8) ")
ch = input()
#system("cls");

if ch == '1':
    writeAccount()
elif ch == '2':
    num = int(input("\tEnter
The account No. : "))
    depositAndWithdraw(num, 1)
elif ch == '3':
```

```
        num = int(input("\tEnter  
The account No. : "))  
        depositAndWithdraw(num, 2)  
    elif ch == '4':  
        num = int(input("\tEnter  
The account No. : "))  
        displaySp(num)  
    elif ch == '5':  
        displayAll();  
    elif ch == '6':  
        num =int(input("\tEnter The  
account No. : "))  
        deleteAccount(num)  
    elif ch == '7':  
        num = int(input("\tEnter  
The account No. : "))  
        modifyAccount(num)  
    elif ch == '8':  
        print("\tThanks for using  
bank managemnt system")  
        break  
    else :  
        print("Invalid choice")
```

```
ch = input("Enter your choice :")
```

& "C:/Program Files/Python313/python.exe"
"c:/Users/Administrator/Documents/am/Bank Management
System PYTHON/bank mgmt sys-python/sarthak.py"

MAIN MENU

1. NEW ACCOUNT
2. DEPOSIT AMOUNT
3. WITHDRAW AMOUNT
4. BALANCE ENQUIRY
5. ALL ACCOUNT HOLDER LIST
6. CLOSE AN ACCOUNT
7. MODIFY AN ACCOUNT
8. EXIT

Select Your Option (1-8)

1

Enter the account no : 8090718186

Enter the account holder name : sarthak

Enter the type of account [C/S] : saving

Enter The Initial amount(>=500 for Saving and >=1000 for
current1000

Account Created

Enter your choice : self

MAIN MENU

1. NEW ACCOUNT
2. DEPOSIT AMOUNT
3. WITHDRAW AMOUNT
4. BALANCE ENQUIRY
5. ALL ACCOUNT HOLDER LIST
6. CLOSE AN ACCOUNT
7. MODIFY AN ACCOUNT
8. EXIT

Select Your Option (1-8)

2

Enter The account No. : 8090718186

Enter the amount to deposit : 1000

Your account is updted

Enter your choice : 3

MAIN MENU

1. NEW ACCOUNT
2. DEPOSIT AMOUNT
3. WITHDRAW AMOUNT
4. BALANCE ENQUIRY
5. ALL ACCOUNT HOLDER LIST
6. CLOSE AN ACCOUNT
7. MODIFY AN ACCOUNT
8. EXIT

Select Your Option (1-8)

3

Enter The account No. : 8090718186

Enter the amount to withdraw : 500

Enter your choice : self

MAIN MENU

1. NEW ACCOUNT

2. DEPOSIT AMOUNT
3. WITHDRAW AMOUNT
4. BALANCE ENQUIRY
5. ALL ACCOUNT HOLDER LIST
6. CLOSE AN ACCOUNT
7. MODIFY AN ACCOUNT
8. EXIT

Select Your Option (1-8)

4

Enter The account No. : 8090718186

Your account Balance is = 1500

Enter your choice : 5

MAIN MENU

1. NEW ACCOUNT
2. DEPOSIT AMOUNT
3. WITHDRAW AMOUNT
4. BALANCE ENQUIRY
5. ALL ACCOUNT HOLDER LIST

6. CLOSE AN ACCOUNT

7. MODIFY AN ACCOUNT

8. EXIT

Select Your Option (1-8)

5

785488545 sarthak saving 3000

8090718186 sarthak saving 1500

Enter your choice : 1

MAIN MENU

1. NEW ACCOUNT

2. DEPOSIT AMOUNT

3. WITHDRAW AMOUNT

4. BALANCE ENQUIRY

5. ALL ACCOUNT HOLDER LIST

6. CLOSE AN ACCOUNT

7. MODIFY AN ACCOUNT

8. EXIT

Select Your Option (1-8)

Select Your Option (1-8)

6

Enter The account No. : 785488545

Enter your choice : 7

MAIN MENU

1. NEW ACCOUNT
2. DEPOSIT AMOUNT
3. WITHDRAW AMOUNT
4. BALANCE ENQUIRY
5. ALL ACCOUNT HOLDER LIST
6. CLOSE AN ACCOUNT
7. MODIFY AN ACCOUNT
8. EXIT

Select Your Option (1-8)

7

Enter The account No. : 8090718186

Enter the account holder name : sarthak

Enter the account Type : saving

Enter the Amount : 1500

Enter your choice : 8

MAIN MENU

1. NEW ACCOUNT
2. DEPOSIT AMOUNT
3. WITHDRAW AMOUNT
4. BALANCE ENQUIRY
5. ALL ACCOUNT HOLDER LIST
6. CLOSE AN ACCOUNT
7. MODIFY AN ACCOUNT
8. EXIT

Select Your Option (1-8)

8

Thanks for using bank managemnt system

PS C:\Users\Administrator>