

In [5]:

```
1  #modification
2  import datetime
3  time=datetime.datetime.now()
4  Recipt_No=0
5  style="-"*65
6  print(f'{"-"*40}{"Welcome To BHATTIES Bank"}{"-"*40}')
```

7 infile=open("PF.txt", "r")

8 raw_data=infile.read()

9 dic=eval(raw_data)

10 infile.close()

11

12 #dic={27:{"name": "Shahab", "balance": 12345}, 51: {"name": "Raheel", "balance": 12345}}

13 Task_lst=["1", "2", "3", "4", "5", "6", "7"]

14 repeat = "yes"

15

16 while repeat == "yes":

17

18 try:

19 ask_acc=int(input("enter your acc number:"))

20

21 account_details = dic[ask_acc]

22 print("Plese Enter your Task")

23 print("1:Cash Withdraw")

24 print("2:Cash deposit")

25 print("3:Cash Transfer")

26 print("4:View Transection History")

27 print("5:view your balance")

28 print("6:To Create New Account")

29 print("7:EXIT")

30 print("-"*10)

31

32 ask_task = input("Please select an option from above:")

33 if ask_task in Task_lst:

34 pass

35 else:

36 print("press correct input")

37 repeat = input("Do you want to perform another transaction")

38

39

40 #Cash Withdraw

41 if ask_task == "1":

42 new_ask = eval(input("enter the ammount of cash:"))

43 if new_ask < account_details["balance"]:

44 account_details["balance"] = account_details["balance"] - new_ask

45 print(account_details["balance"])

46

47 #recipt

48 print("Do you want the recipt? it will cost 3 ruppees")

49 ask_for_recipt = input("enter your answer in yes or no")

50 if ask_for_recipt == "yes":

51 account_details["balance"] = account_details["balance"] - 3

52 Recipt_No+=1

53 #for recipt

54 recipt=f'{style}\nNAME:{account_details["name"]}

55 print(recipt)

56

57 #for transection history

58 history=(f'NAME:{account_details["name"]}__Balance:{account_details["balance"]}\n')

59 history_data=open(fr'C:\Users\Shahab\Desktop\PF PR', "a")

60 history_data.write(history+"\n")

61 history_data.close()

```

62         else:
63             print("bye")
64             #for transection history
65             history=(f'NAME:{account_details["name"]}__Balance In
66             history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJEC
67             history_data.write(history+"\n")
68             history_data.close()
69         else:
70             print("Insufficient balance")
71         repeat = input("Do you want to perform another transaction
72
73     #Cash Deposit
74     elif ask_task == "2":
75         new_ask=eval(input("enter the ammount of cash:"))
76         account_details["balance"] = account_details["balance"] +
77         print(account_details["balance"])
78
79     #recipt
80     print("Do you want the recipt? it will cost 3 ruppes only
81     ask_for_recipt=input("enter your answer in yes or no:")
82     if ask_for_recipt == "yes":
83         account_details["balance"] = account_details["balance"]
84         Recipt_No+=1
85         #for recipt
86         recipt=f'{style}\nNAME:{account_details["name"]}'
87         print(recipt)
88
89         #for transection history
90         history=(f'NAME:{account_details["name"]}__Balance In
91         history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJEC
92         history_data.write(history+"\n")
93         history_data.close()
94     else:
95         print("bye")
96         #for transection history
97         history=(f'NAME:{account_details["name"]}__Balance In
98         history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJEC
99         history_data.write(history+"\n")
100        history_data.close()
101        repeat = input("Do you want to perform another transaction
102
103
104    #Cash Transfer
105    elif ask_task == "3":
106        ask_whereToSend = eval(input("enter the account number whe
107        if ask_whereToSend == ask_acc:
108            print("Invalid Input!")
109            repeat = input("Do you want to perform another transac
110            continue
111
112
113    try:
114        second_account = dic[ask_whereToSend]
115        new_ask = eval(input("enter your ammount:"))
116        if new_ask <= account_details["balance"]:
117            account_details["balance"] = account_details["bala
118            print(account_details["balance"])
119        #then
120        second_account["balance"] = second_account["balanc
121        #print(second_account["balance"])
122

```

```

123         #receipt
124         print("Do you want the receipt? it will cost 3 rup
125         ask_for_receipt = input("enter your answer in yes o
126         if ask_for_receipt == "yes":
127             account_details["balance"] = account_details["
128             Receipt_No+=1
129             #for receipt
130             receipt=f'{style}\nNAME:{account_details["name"
131             print(receipt)
132
133             #for transection history
134             history=(f'NAME:{account_details["name"]}'__Ba
135             #print(history)
136             history_data=open(fr'C:\Users\Shahab\Desktop\PF
137             history_data.write(history+"\n")
138             history_data.close()
139             history2=(f'NAME:{second_account["name"]}'__Ba
140             history_data=open(fr'C:\Users\Shahab\Desktop\PF
141             history_data.write(history2+"\n")
142             history_data.close()
143
144
145         else:
146             print("bye")
147             #for transection history
148             history=(f'NAME:{account_details["name"]}'__Ba
149             history_data=open(fr'C:\Users\Shahab\Desktop\PF
150             history_data.write(history+"\n")
151             history_data.close()
152             history2=(f'NAME:{second_account["name"]}'__Ba
153             history_data=open(fr'C:\Users\Shahab\Desktop\PF
154             history_data.write(history2+"\n")
155             history_data.close()
156
157         else:
158             print("Insufficient balance")
159         repeat = input("Do you want to perform another transac
160         continue
161
162     except:
163         print("Invalid Account Number")
164         repeat = input("Do you want to perform another transaction
165
166
167     #view transection history
168     elif ask_task == "4":
169         def view_history(ask_acc):
170             infile=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Tran
171             data=infile.read()
172             print(style)
173             print(data)
174             print(style)
175
176
177         #driver's code
178         view_history(ask_acc)
179         repeat = input("Do you want to perform another transaction
180
181
182     #balance view
183     elif ask_task=="5":

```

```

184         print("your balance is:", account_details["balance"])
185         repeat = input("Do you want to perform another transaction")
186
187
188     #For creating new account
189     elif ask_task=="6":
190         lst=[]
191         info_name=input("Enter your name:")
192         alot_AccNo=eval(input("Enter Any Number:"))
193         for key,val in dic.items():
194             lst.append(key)
195         #print(lst)
196         if alot_AccNo in lst:
197             print("This Account number is taken")
198         else:
199             dic[alot_AccNo] = {'name':info_name,'balance':0}
200             print("Your Account Is Registered Successfully")
201             repeat = input("Do you want to perform another transac")
202
203     #for EXIT
204     elif ask_task=="7":
205         break
206
207
208     except:
209         print("Invalid Account Number")
210         repeat = input("Do you want to perform another transaction (ye")
211
212
213     print("-"*20)
214     print("Thank You")
215     newfile=open("PF.txt","w")
216     new_dic=str(dic)
217     newfile.write(new_dic)
218     newfile.close()
219     print("-"*20)

```

```

-----Welcome To BHATTIES Bank-----
-----
enter your acc number:8055
Plese Enter your Task
1:Cash Withdraw
2:Cash deposit
3:Cash Transfer
4:View Transection History
5:view your balance
6:To Create New Account
7:EXIT
-----
Please select an option from above:5
your balance is: 2700
Do you want to perform another transaction (yes, no): no
-----
Thank You
-----

```

