





In [2]:

```
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":6430},45:{"name":"Ali","balance":3205}}

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:EXIT")

29 print("7:To Create New Account")

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 (yes, no): ")

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         #receipt
48         print("Do you want the receipt? it will cost 3 ruppes only enter yes or no to answer")
49         ask_for_receipt = input("enter your answer in yes or no:")
50         if ask_for_receipt == "yes":
51             account_details["balance"] = account_details["balance"] - 3
52             Receipt_No+=1
53             #for receipt
54             receipt=f'{style}\nNAME:{account_details["name"]}                        Time:{time}\nBalance de
55             print(receipt)
56
57             #for transection history
58             history=(f'NAME:{account_details["name"]}__Balance deducted:{new_ask}__updated Balance:{acc
59             history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_acc}.txt',"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 deducted:{new_ask}__updated Balance:{acc
66             history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_acc}.txt',"a
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 (yes, no): ")
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"] + new_ask
77         print(account_details["balance"])
78
79         #receipt
80         print("Do you want the receipt? it will cost 3 ruppes only enter yes or no to answer")
81         ask_for_receipt=input("enter your answer in yes or no:")
82         if ask_for_receipt == "yes":
83             account_details["balance"] = account_details["balance"] - 3

```

```

84         Receipt_No+=1
85         #for receipt
86         receipt=f'{style}\nNAME:{account_details["name"]}                Time:{time}\nBalance Incremented:{new_ask}\nUpdated Balance:{account_details["balance"]}'
87         print(receipt)
88
89         #for transection history
90         history=(f'NAME:{account_details["name"]}__Balance Incremented:{new_ask}__updated Balance:{account_details["balance"]}')
91         history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_acc}.txt',"a")
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 Incremented:{new_ask}__updated Balance:{account_details["balance"]}')
98         history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_acc}.txt',"a")
99         history_data.write(history+"\n")
100        history_data.close()
101    repeat = input("Do you want to perform another transaction (yes, no): ")
102
103
104    #Cash Transfer
105    elif ask_task == "3":
106        ask_whereToSend = eval(input("enter the account number where to send the ammount:"))
107        if ask_whereToSend == ask_acc:
108            print("Invalid Input!")
109            repeat = input("Do you want to perform another transaction (yes, no): ")
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["balance"] - new_ask
118                print(account_details["balance"])
119                #then
120                second_account["balance"] = second_account["balance"] + new_ask
121                #print(second_account["balance"])
122
123                #receipt
124                print("Do you want the receipt? it will cost 3 ruppes only enter yes or no to answer")
125                ask_for_receipt = input("enter your answer in yes or no:")

```

```

126         if ask_for_receipt == "yes":
127             account_details["balance"] = account_details["balance"]-3
128             Receipt_No+=1
129             #for receipt
130             receipt=f'{style}\nNAME:{account_details["name"]}                Time:{time}\nBalance:
131             print(receipt)
132
133             #for transection history
134             history=(f'NAME:{account_details["name"]}__Balance deducted:{new_ask}__updated Balance:
135             #print(history)
136             history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_acc}.txt', 'a')
137             history_data.write(history+"\n")
138             history_data.close()
139             history2=(f'NAME:{second_account["name"]}__Balance Incremented:{new_ask}__updated Balance:
140             history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_whereToS
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"]}__Balance deducted:{new_ask}__updated Balance:
149             history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_acc}.txt', 'a')
150             history_data.write(history+"\n")
151             history_data.close()
152             history2=(f'NAME:{second_account["name"]}__Balance Incremented:{new_ask}__updated Balance:
153             history_data=open(fr'C:\Users\Shahab\Desktop\PF PROJECT\Transection History\{ask_whereToS
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 transaction (yes, no): ")
160         continue
161
162     except:
163         print("Invalid Account Number")
164         repeat = input("Do you want to perform another transaction (yes, no): ")
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\Transection History\{ask_acc}.txt',"r")
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 (yes, no): ")
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 (yes, no): ")
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         repeat = input("Do you want to perform another transaction (yes, no): ")
201
202
203 elif ask_task=="7":
204     break
205
206
207 except:
208     print("Invalid Account Number")
209     repeat = input("Do you want to perform another transaction (yes, no): ")

```

```
210
211
212 print("-"*20)
213 print("Thank You")
214 newfile=open("PF.txt","w")
215 new_dic=str(dic)
216 newfile.write(new_dic)
217 newfile.close()
218 print("-"*20)
```

```
-----Welcome To BHATTIES Bank-----
enter your acc number:12
Plese Enter your Task
1:Cash Withdraw
2:Cash deposit
3:Cash Transfer
4:View Transection History
5:view your balance
6:EXIT
7:To Create New Account
-----
Please select an option from above:1
enter the ammount of cash:100
6720
Do you want the recipt? it will cost 3 ruppes only enter yes or no to answer
enter your answer in yes or no:yes
-----
NAME:Affan                                Time:2024-01-13 16:07:59.370835
Balance deducted:100                      Recipt.No:1
```

In [ ]:

1