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1 import _datetime
2 def get_mini_statement(account_pin,
   account_number_mini_statement):
3     a = 0
4     acc_num = input("ENTER A BANK ACCOUNT NUMBER: ")
5     if acc_num not in account_pin.keys():
6         return "Invalid account number", 1
7
8     usr_pin = input("ENTER A PIN: ")
9     if usr_pin not in account_pin.values():
10        return "Invalid pin", 1
11
12    for i, j in account_pin.items():
13        if i == acc_num and j == usr_pin:
14            a += 1
15            break
16    if a > 0:
17        pass
18    else:
19        return "Invalid information", 1
20
21    for i,j in account_pin.items():
22        if i==acc_num and j==usr_pin:
23            d=account_number_mini_statement[i]
24            print("="*50)
25            print(d)
26            print("=" * 50)
27            return "yes",1
28
29 def account_money_transefer(account_balance,
   account_pin,account_number_mini_statement):
30     a = 0
31     acc_num = input("ENTER A BANK ACCOUNT NUMBER: ")
32     if acc_num not in account_balance.keys():
33         return "Invalid account number",1
34
35     usr_pin = input("ENTER A PIN: ")
36     if usr_pin not in account_pin.values():
37         return "Invalid pin",1
38
39     for i, j in account_pin.items():

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40         if i == acc_num and j == usr_pin:
41             a += 1
42             break
43     if a > 0:
44         pass
45     else:
46         return "Invalid information",1
47
48     for i,j in account_balance.items():
49         if i==acc_num:
50
51             while True:
52                 enter_amount_transfer = int(input("
enter amount to transfer:"))
53                 if enter_amount_transfer<=0:
54                     print("ENTER A VALID AMOUNT")
55                     continue
56                 else:
57                     break
58
59                 if enter_amount_transfer>j:
60                     return "insufficient funds",1
61                 else:
62                     transfer_account_number=input("enter
the transfer account number: ")
63                     if transfer_account_number not in
account_balance.keys():
64                         return "Invalid transfer account
number"
65                     else:
66                         b=account_balance[i]
67                         b=b-enter_amount_transfer
68                         account_balance[i]=b
69                         c=account_balance[
transfer_account_number]
70                         c=c+enter_amount_transfer
71                         account_balance[
transfer_account_number]=c
72                         now = str(_datetime.datetime.now
())
73                         m = "YOUR TRANSFER AMOUNT IS

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73  :{} DATE AND TIME: {}          ".format(
    enter_amount_transfer,now)
74          d =
    account_number_mini_statement[i]
75          account_number_mini_statement[i
    ] = d + m
76
77          print("YOUR TRANSACTION IS
    SUCCESSFUL")
78          u_option=input("DO YOU WANT SHOW
    THE REMAINING BALANCE IN YOUR ACCOUNT YES/NO: ")
79          if u_option=="no" or u_option=="
    NO":
80              return account_balance,
    account_number_mini_statement
81          else:
82              print("YOUR ACCOUNT BALANCE
    IS: {}".format(b))
83              return account_balance,
    account_number_mini_statement
84
85
86
87
88
89
90
91
92
93
94
95 #cash deposit operation
96 def cash_deposit_operation(accountno_phoneNumber,
    account_holder_name,account_balance,
    account_number_mini_statement):
97     a = 0
98     acc_num = input("ENTER A BANK ACCOUNT NUMBER: ")
99     if acc_num not in account_balance.keys():
100         return "Invalid account number",1
101     user_mobile_number=input("ENTER REGISTERED
    MOBILE NUMBER :")

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102     if user_mobile_number not in
accountno_phoneNumber.keys():
103         return "invalid mobile number",1
104     for i,j in accountno_phoneNumber.items():
105         if i==acc_num and j==user_mobile_number:
106             a+=1
107             break
108     if a>0:
109         pass
110     else:
111         return "Invalid account information",1
112
113     for i,j in accountno_phoneNumber.items():
114         if i==acc_num and j==user_mobile_number:
115             name=account_holder_name[i]
116             is_this_user=input("name: {} ,
account_number :{} yes/no".format(name,i))
117             if is_this_user=="no" or is_this_user=="
NO":
118                 return "not my account",1
119             else:
120                 amount=int(input("ENTER THE DEPOSIT
AMOUNT: "))
121                 t=amount
122                 f_500=0
123                 h_100=0
124                 f_50=0
125                 t_10=0
126                 o_1=0
127                 if amount>=500:
128                     b=amount//500
129                     amount=amount-b*500
130                     f_500=b
131                 if amount>=100:
132                     b=amount//100
133                     amount=amount-b*100
134                     h_100=b
135                 if amount>=50:
136                     b=amount//50
137                     amount=amount-b*50
138                     f_50=b

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139             if amount>=10:
140                 b=amount//10
141                 amount=amount-b*10
142                 t_10=b
143             if amount>=1:
144                 o_1=amount
145             tal=t
146             print("500 : {}".format(f_500))
147             print("100 : {}".format(h_100))
148             print("50  : {}".format(f_50))
149             print("10  : {}".format(t_10))
150             print("1   : {}".format(o_1))
151             print("="*50)
152             print("TOTAL: {}".format(tal))
153             u_input = input("PROCEED FOR NEXT
STEP yes/no:")
154             if u_input == "no" or u_input=="NO":
155                 return "your money was not
deposit",1
156             else:
157                 p_amount=account_balance[i]
158                 account_balance[i]=p_amount+tal
159                 print("YOUR AMOUNT IS
SUCCESSFULLY DEPOSITED")
160                 now = str(_datetime.datetime.now
())
161                 m = "YOUR DEPOSIT AMOUNT IS
: {} DATE AND TIME: {}".format(t, now)
162                 d =
account_number_mini_statement[i]
163                 account_number_mini_statement[i
]=d+m
164
165                 u_input = input("DO YOU WANT
SHOW BALANCE: yes/no")
166                 if u_input == "no" or u_input
== "NO":
167                     return account_balance,
account_number_mini_statement
168                 else:
169                     p=account_balance[i]

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170             print("TOTAL AVAILABLE
BALANCE IS :{}".format(p))
171             return account_balance,
account_number_mini_statement
172
173
174
175 # amount withdraw operation
176
177 def amount_withdraw(account_balance,account_pin,
account_number_mini_statement):
178     a = 0
179     acc_num = input("ENTER A BANK ACCOUNT NUMBER: ")
180     if acc_num not in account_balance.keys():
181         return "Invalid account number",1
182
183     usr_pin = input("ENTER A PIN: ")
184     if usr_pin not in account_pin.values():
185         return "Invalid pin",1
186
187     for i, j in account_pin.items():
188         if i == acc_num and j == usr_pin:
189             a += 1
190             break
191     if a > 0:
192         pass
193     else:
194         return "Invalid information",1
195
196
197     while True:
198         amount = int(input("ENTER WITHDRAW AMOUNT
: "))
199         if amount<=0:
200             print("PLEASE ENTER VALID AMOUNT")
201         else:
202             break
203
204
205     for i,j in account_balance.items():
206         if i==acc_num:

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207         if amount>j:
208             return "insufficient funds",1
209         else:
210             re=j-amount
211             account_balance[i]=re
212             print("YOUR WITHDRAW AMOUNT IS :{}".format(amount))
213             u_input=input("DO U WANT SHOW REMAINING AMOUNT yes/no:")
214             now = str(_datetime.datetime.now())
215             m="YOUR WITH DRAW AMOUNT IS :{} DATE AND TIME: {}".format(amount,now)
216             d=account_number_mini_statement[i]
217             account_number_mini_statement[i]=d+m
218             if u_input=="no" or u_input=="NO":
219
220                 return account_balance, account_number_mini_statement
221             else:
222                 print("YOUR REMAINING AMOUNT IS : {}".format(re))
223                 return account_balance, account_number_mini_statement
224
225
226
227
228
229
230
231 # display balance enquiry
232
233 def display_balance_enquiry(account_balance, account_pin):
234     a=0
235     acc_num = input("ENTER A BANK ACCOUNT NUMBER: ")
236     if acc_num not in account_balance.keys():
237         return "Invalid account number"
238
239     usr_pin=input("ENTER A PIN: ")
240     if usr_pin not in account_pin.values():

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```
241         return "Invalid pin"
242
243     for i,j in account_pin.items():
244         if i==acc_num and j==usr_pin:
245             a+=1
246             break
247     if a>0:
248         pass
249     else:
250         return "Invalid information"
251
252     for i,j in account_pin.items():
253         if i==acc_num and j==usr_pin:
254             bal=account_balance[i]
255             return bal
256
257
258
259
260
261 # atm card pin change
262
263 def atm_pin_change(account_pin):
264     a = 0
265     acc_num = input("ENTER A BANK ACCOUNT NUMBER: ")
266
267     if acc_num not in account_pin.keys():
268         return "Invalid account number"
269
270     pre_pin=input("ENTER A PREVIOUS PIN: ")
271     if pre_pin not in account_pin.values():
272         return "Invalid pin"
273     print(account_pin)
274     for i,j in account_pin.items():
275         if i==acc_num and j==pre_pin:
276             a+=1
277             break
278     if a>0:
279
280         while True:
281             user_pin_input = input("ENTER A NEW PIN
```



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281 :")
282         if user_pin_input.isdigit():
283             if len(user_pin_input) < 5:
284                 account_pin[acc_num] =
user_pin_input
285                 return account_pin
286             else:
287                 print("PLEASE ENTER A 4 DIGIT
NUMBER: ")
288                 continue
289             else:
290                 print("PLEASE ENTER A 4 DIGIT NUMBER
: ")
291                 continue
292     else:
293         return "Invalid account information"
294
295
296
297
298
299 def atm_pin_generation(account_pin,secret_person_pin
):
300     a=0
301     acc_num=input("ENTER A BANK ACCOUNT NUMBER: ")
302     scret_pin=int(input("ENTER SECRET PIN: "))
303
304     for i,j in secret_person_pin.items():
305         if i==acc_num and j==scret_pin:
306             a+=1
307             break
308     if a>0:
309         pass
310     else:
311         return "Invalid account number"
312     while True:
313         user_pin_input=input("ENTER A NEW PIN:")
314         if user_pin_input.isdigit():
315             if len(user_pin_input)<5:
316                 account_pin[acc_num]=user_pin_input
317                 return account_pin

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318             else:
319                 print("PLEASE ENTER A 4 DIGIT NUMBER
: ")
320                 continue
321         else:
322             print("PLEASE ENTER A 4 DIGIT NUMBER: ")
323             continue
324
325
326
327
328
329
330 # the below details are account information like
data base
331 # COPY METHOD USING BECAUSE VALUES CHANGES BEFORE
AND AFTER U SEE IT THERE
332
333 print("u can perform operation on below data")
334 print("who check ATM PIN GENERATING OPTION YOU MUST
CHECK THE VALUES OF ACCOUNT NUMBER AND SECRET PIN
AND PERFORM LAST ACCOUNT NUMBER BECAUSE NOT ADD THE
ATM PIN ")
335 print("=*75)
336
337 accountno_phoneNumber={"ACCOUNT_NUMBER": "
PHONE_NUMBER", "1111111111": "8888888888", "2222222222"
: "7777777777", "3333333333": "6666666666", "4444444444"
: "5555555555", "5555555555": "4444444444", "6666666666"
: "3333333333", "7777777777": "2222222222", "8888888888"
: "1111111111", "9999999999": "0000000000"}
338 print("account number and linked mobile number")
339 print(accountno_phoneNumber)
340
341 account_holder_name={"ACCOUNT_NUMBER": "
ACCOUNT HOLDER_NAME", "1111111111": "raja", "2222222222"
: "mahesh", "3333333333": "balu", "4444444444": "hari
reddy", "5555555555": "mouli", "6666666666": "varma", "
7777777777": "chiru", "8888888888": "saketh", "
9999999999": "chaitanya"}
342 print("account number and name")

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343 print(account_holder_name)
344
345 account_balance={"ACCOUNT_NUMBER":"ACCOUNT_BALANCE",
    "1111111111":98765,"2222222222":5001,"3333333333":
    8987,"4444444444":98765,"5555555555":2345678,"
    6666666666":9876,"7777777777":2345,"8888888888":
    98765,"9999999999":1234}
346 print("account number and balance")
347 print(account_balance)
348
349 account_pin={"ACCOUNT_NUMBER":"ATM_PIN NUMBER", "
    1111111111":"0101 ", "2222222222":"2340", "3333333333"
    : "1010 ", "4444444444":"4560", "5555555555":"1100 ", "
    6666666666":"6780", "7777777777":"0011 ", "8888888888"
    : "8900", "9999999999": " "}
350 print("account number and PIN")
351 print(account_pin)
352
353 # this is only who generate the atm pin and use the
secret pin only
354 secret_person_pin={"ACCOUNT_NUMBER":"SECRET PIN :
    WHO GENERATE ATM PIN", "1111111111":1234, "2222222222"
    :2345, "3333333333":3456, "4444444444":4567, "
    5555555555":5678, "6666666666":6789, "7777777777":7890
    , "8888888888":8901, "9999999999":9012}
355 print("account number and SECRET PIN")
356 print(secret_person_pin)
357
358 account_number_mini_statement={"ACCOUNT_NUMBER":"
    MINI_STATEMENT", "1111111111": " ", "2222222222": " ", "
    3333333333": " ", "4444444444": " ", "5555555555": " ", "
    6666666666": " ", "7777777777": " ", "8888888888": " ", "
    9999999999": " "}
359 print("account number and mini statement")
360 print(account_number_mini_statement)
361
362
363
364 while True:
365     print("WELCOME TO SBI ATM , THANKS FOR VISITING
    US, HOW CAN I HELP YOU")
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366     print("="*50)
367     print("1. ATM PIN GENERATION")
368     print("2. ATM PIN CHANGE")
369     print("3. BALANCE ENQUIRY")
370     print("4. CASH WITHDRAW")
371     print("5. CARD LESS CASH DEPOSIT")
372     print("6. MONEY TRANSFER TO ACCOUNT NUMBER")
373     print("7. MINI STATEMENT")
374     print("8. SHOPPING PAYMENT")
375     print("=" * 50)
376
377     while True:
378         u_input = input("ENTER NUMBER: ")
379         if (u_input == "1" or u_input=="2" or
380             u_input=="3" or u_input=="4" or u_input=="5" or
381             u_input=="6" or u_input=="7"):
382             break
383             print("PLEASE ENTER RIGHT NUMBER")
384             print("=" * 50)
385
386     # atm pin generating function
387     if u_input == "1":
388         result = atm_pin_generation (account_pin,
389                                     secret_person_pin)
390         if result=="Invalid account number":
391             print("INVALID ACCOUNT NUMBER")
392             print("PLEASE TRY AGAIN")
393             u_result=input("DO YOU WANT SHOW MAIN
394             MENU:yes/no: ")
395             if u_result=="no" or u_result=="NO":
396                 print("THANKS FOR VISITING US")
397                 print("="*50)
398                 break
399             else:
400                 continue
401
402     elif type(result)==dict:
403         account_pin=result
404         print("YOUR PIN GENERATING IS

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402 SUCCESSFULLY")
403         u_taken_input=input("DO YOU WANT SHOW
    MAIN MENU: yes/no :")
404         if u_taken_input=="no" or u_taken_input
    == "NO":
405             print("THANKS FOR VISITING US")
406             print(account_pin)
407             break
408         else:
409             print("="*50)
410             print(account_pin)
411             continue
412
413 # atm pin change function
414
415     elif u_input == "2":
416
417         result = atm_pin_change(account_pin)
418         if result=="Invalid account number":
419             print("INVALID ACCOUNT NUMBER")
420             print("PLEASE TRY AGAIN")
421         u_result = input("DO YOU WANT SHOW MAIN
    MENU :yes/no: ")
422         if u_result == "no" or u_result=="NO":
423             print("THANKS FOR VISITING US")
424             print("=" * 50)
425             break
426         else:
427             continue
428         elif result=="Invalid pin":
429             print("INVALID PIN NUMBER")
430             print("PLEASE TRY AGAIN")
431         u_result = input("DO YOU WANT SHOW MAIN
    MENU :yes/no: ")
432         if u_result == "no" or u_result=="NO":
433             print("THANKS FOR VISITING US")
434             print("=" * 50)
435             break
436         else:
437             continue
438         elif result=="Invalid account information":

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```
439         print("INVALID ACCOUNT INFORMATION")
440         print("PLEASE TRY AGAIN")
441         u_result = input("DO YOU WANT SHOW MAIN
MENU :yes/no: ")
442         if u_result == "no" or u_result=="NO":
443             print("THANKS FOR VISITING US")
444             print("=" * 50)
445             break
446         else:
447             continue
448         elif type(result)==dict:
449             account_pin=result
450             print("YOUR PIN GENERATING IS
SUCCESSFULLY")
451             u_taken_input=input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
452             if u_taken_input=="no" or u_taken_input
=="NO":
453                 print("THANKS FOR VISITING US")
454                 print(account_pin)
455                 break
456             else:
457                 print("="*50)
458                 print(account_pin)
459                 continue
460
461
462
463         elif u_input == "3":
464             result=display_balance_enquiry(
account_balance,account_pin)
465             if result=="Invalid account number":
466                 print("INVALID ACCOUNT NUMBER")
467                 u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
468                 if u_taken_input=="no" or u_taken_input
=="NO":
469                     print("THANKS FOR VISITING US")
470                     break
471                 else:
472                     print("="*50)
```

```

473             continue
474         elif result=="Invalid pin":
475             print("INVALID PIN NUMBER")
476             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
477             if u_taken_input == "no" or
u_taken_input == "NO":
478                 break
479             else:
480                 print("=" * 50)
481                 continue
482         elif result=="Invalid information":
483             print("INVALID ACCOUNT INFORMATION")
484             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
485             if u_taken_input == "no" or
u_taken_input == "NO":
486                 print("THANKS FOR VISITING US")
487                 break
488             else:
489                 print("=" * 50)
490                 continue
491         else:
492             print("YOUR ACCOUNT BALANCE IS: {}".
format(result))
493             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
494             if u_taken_input == "no" or
u_taken_input == "NO":
495                 break
496             else:
497                 print("=" * 50)
498                 continue
499
500     elif u_input == "4":
501
502         result,mini=amount_withdraw(account_balance,
account_pin,account_number_mini_statement)
503         if result=="Invalid account number":
504             print("INVALID ACCOUNT NUMBER")
505             u_taken_input = input("DO YOU WANT SHOW

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505 MAIN MENU: yes/no :)
506         if u_taken_input=="no" or u_taken_input
           == "NO":
507             print("THANKS FOR VISITING US")
508             break
509         else:
510             print("="*50)
511             continue
512         elif result=="Invalid pin":
513             print("INVALID PIN NUMBER")
514             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :)
515             if u_taken_input == "no" or
u_taken_input == "NO":
516                 break
517             else:
518                 print("=" * 50)
519                 continue
520         elif result=="Invalid information":
521             print("INVALID ACCOUNT INFORMATION")
522             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :)
523             if u_taken_input == "no" or
u_taken_input == "NO":
524                 print("THANKS FOR VISITING US")
525                 break
526             else:
527                 print("=" * 50)
528                 continue
529
530         elif result=="insufficient funds":
531             print("INSUFFICIENT FUNDS")
532             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :)
533             if u_taken_input == "no" or
u_taken_input == "NO":
534                 print("THANKS FOR VISITING US")
535                 break
536             else:
537                 print("=" * 50)
538                 continue

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```

539         elif type(result)==dict:
540             account_balance=result
541             account_number_mini_statement=mini
542             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
543             if u_taken_input == "no" or
u_taken_input=="NO":
544                 print("THANKS FOR VISITING US")
545                 print(account_balance)
546                 print(account_number_mini_statement)
547                 break
548             else:
549
550                 print(account_balance)
551                 print(account_number_mini_statement)
552                 print("=" * 50)
553                 continue
554
555         elif u_input == "5":
556
557             result,mini=cash_deposit_operation(
accountno_phoneNumber,account_holder_name,
account_balance,account_number_mini_statement)
558             if result=="Invalid account number":
559                 print("INVALID ACCOUNT NUMBER")
560                 u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
561                 if u_taken_input == "no" or
u_taken_input == "NO":
562                     print("THANKS FOR VISITING US")
563                     break
564                 else:
565                     print("=" * 50)
566                     continue
567             elif result=="invalid mobile number":
568                 print("INVALID PHONE NUMBER")
569                 u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
570                 if u_taken_input == "no" or
u_taken_input == "NO":
571                     print("THANKS FOR VISITING US")

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```

572             break
573         else:
574             print("=" * 50)
575             continue
576         elif result=="Invalid account information":
577             print("INVALID ACCOUNT INFORMATION")
578             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
579             if u_taken_input == "no" or
u_taken_input == "NO":
580                 print("THANKS FOR VISITING US")
581                 break
582             else:
583                 print("=" * 50)
584                 continue
585             elif result=="not my account":
586                 u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
587                 if u_taken_input == "no" or
u_taken_input == "NO":
588                     print("THANKS FOR VISITING US")
589                     break
590                 else:
591                     print("=" * 50)
592                     continue
593             elif result=="your money was not deposit":
594                 print("YOUR MONEY WAS NOT DEPOSIT")
595                 u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
596                 if u_taken_input == "no" or
u_taken_input == "NO":
597                     print("THANKS FOR VISITING US")
598                     break
599                 else:
600                     print("=" * 50)
601                     continue
602             elif type(result)==dict:
603
604                 account_balance=result
605                 account_number_mini_statement = mini
606

```

```
607         u_taken_input = input("DO YOU WANT SHOW  
MAIN MENU: yes/no :")  
608         if u_taken_input == "no" or  
u_taken_input == "NO":  
609             print("THANKS FOR VISITING US")  
610             print(account_balance)  
611             print(account_number_mini_statement)  
612             break  
613         else:  
614             print(account_balance)  
615             print(account_number_mini_statement)  
616             print("=" * 50)  
617             continue  
618  
619  
620     elif u_input == "6":  
621  
622         result,mini=account_money_transefer(  
account_balance,account_pin,  
account_number_mini_statement)  
623         if result=="Invalid account number":  
624             print("INVALID ACCOUNT NUMBER")  
625             u_taken_input = input("DO YOU WANT SHOW  
MAIN MENU: yes/no :")  
626             if u_taken_input == "no" or  
u_taken_input == "NO":  
627                 print("THANKS FOR VISITING US")  
628                 break  
629             else:  
630                 print("=" * 50)  
631                 continue  
632             elif result=="Invalid pin":  
633                 print("INVALID PIN NUMBER")  
634                 u_taken_input = input("DO YOU WANT SHOW  
MAIN MENU: yes/no :")  
635                 if u_taken_input == "no" or  
u_taken_input == "NO":  
636                     break  
637                 else:  
638                     print("=" * 50)  
639                     continue
```

```
640         elif result=="Invalid information":
641             print("INVALID ACCOUNT INFORMATION")
642             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
643             if u_taken_input == "no" or
u_taken_input == "NO":
644                 print("THANKS FOR VISITING US")
645                 break
646             else:
647                 print("=" * 50)
648                 continue
649         elif result=="insufficient funds":
650             print("INSUFFICIENT FUNDS TO TRANSFER")
651             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
652             if u_taken_input == "no" or
u_taken_input == "NO":
653                 print("THANKS FOR VISITING US")
654                 break
655             else:
656                 print("=" * 50)
657                 continue
658         elif result=="Invalid transfer account
number":
659             print("TRANSFER ACCOUNT NUMBER IS WRONG"
)
660             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
661             if u_taken_input == "no" or
u_taken_input == "NO":
662                 print("THANKS FOR VISITING US")
663                 break
664             else:
665                 print("=" * 50)
666                 continue
667
668         elif type(result)==dict:
669             account_number_mini_statement=mini
670             account_balance = result
671
672             print("YOUR AMOUNT IS SUCCESSFULLY
```

```

672 DEPOSITED")
673         u_taken_input = input("DO YOU WANT SHOW
        MAIN MENU: yes/no :")
674         if u_taken_input == "no" or
        u_taken_input == "NO":
675             print("THANKS FOR VISITING US")
676             print(account_balance)
677             print(account_number_mini_statement)
678             break
679         else:
680             print(account_balance)
681             print(account_number_mini_statement)
682             print("=" * 50)
683             continue
684
685
686     elif u_input == "7":
687         result,mini=get_mini_statement(account_pin,
        account_number_mini_statement)
688         if result=="Invalid account number":
689             print("INVALID ACCOUNT NUMBER")
690             u_taken_input = input("DO YOU WANT SHOW
        MAIN MENU: yes/no :")
691             if u_taken_input == "no" or
        u_taken_input == "NO":
692                 print("THANKS FOR VISITING US")
693                 break
694             else:
695                 print("=" * 50)
696                 continue
697         elif result=="Invalid pin":
698             print("INVALID PIN NUMBER")
699             u_taken_input = input("DO YOU WANT SHOW
        MAIN MENU: yes/no :")
700             if u_taken_input == "no" or
        u_taken_input == "NO":
701                 break
702             else:
703                 print("=" * 50)
704                 continue
705         elif result=="Invalid information":

```

```
706             print("INVALID ACCOUNT INFORMATION")
707             u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
708             if u_taken_input == "no" or
u_taken_input == "NO":
709                 print("THANKS FOR VISITING US")
710                 break
711             else:
712                 print("=" * 50)
713                 continue
714             elif result=="yes":
715                 u_taken_input = input("DO YOU WANT SHOW
MAIN MENU: yes/no :")
716                 if u_taken_input == "no" or
u_taken_input == "NO":
717                     print("THANKS FOR VISITING US")
718                     break
719                 else:
720                     print("=" * 50)
721                     continue
722
723
724
725
726
727
728
```