

## ▼ 1. ATM Method

```
1 class ATM:
2     def __init__(self, acc_num, acc_name , phone_num, balance):
3         self.acc_num = acc_num
4         self.acc_name =acc_name
5         self.phone_num = phone_num
6         self.balance = balance
7
8     def check_balance(self):
9         print("--CHECK BALANCE--")
10        print(f"Account number : {self.acc_num}")
11        print(f"Account name : {self.acc_name}")
12        print(f"Balance : {self.balance} $")
13
14    def deposit(self, money):
15        self.balance += money
16        print("--Deposit submitted!--")
17        print(f"To : {self.acc_num}")
18        print(f"Amount : {money} $")
19
20    def withdrawal(self, money):
21        if money > self.balance:
22            print("-- Insufficient funds --")
23            print("(Please check your balance)")
24        else:
25            self.balance -= money
26            print("--Withdrawal submitted!--")
27            print(f"From : {self.acc_num}")
28            print(f"Amount : {money} $")
29
30    def transfer(self, to_acc_num, money):
31        if money > self.balance:
32            print("--Insufficient funds...--")
33            print("(Please check your balance)")
34        else:
35            self.balance -= money
36            print("--Transfer submitted!--")
37            print(f"Source Account number : {self.acc_num}")
38            print(f"Amount : {money} $")
39            print(f"Destination account number : {to_acc_num}")
40
41    def change_phone_num(self, new_phone_num):
42        if len(new_phone_num) != 10:
43            print ("--Incorrect phone number format--")
44            print ("Please try again..")
45        else:
46            self.phone_num = new_phone_num
47            print("--Your phone number has been changed--")
48            print(f"New phone number : {self.phone_num}")
```

```
1 ktb = ATM("01320004", "Lisa", "0123456789", 3000)
```

```
1 # deposit and check balance
2 ktb.deposit(200)
3 ktb.check_balance()
```

```
--Deposit submitted!--
To : 01320004
Amount : 200 $
--CHECK BALANCE--
Account number : 01320004
Account name : Lisa
Balance : 3200 $
```

```
1 # withdrawal and check balance
2 #1. withdrawal 4000$
3 ktb.withdrawal(4000)
4
5 #2. withdrawal 500$
6 ktb.withdrawal(500)
7
8 #3. check balance
9 ktb.check_balance()
```

```
-- Insufficient funds --
(Please check your balance)
```

```

--Withdrawal submitted!--
From : 01320004
Amount : 500 $
--CHECK BALANCE--
Account number : 01320004
Account name : Lisa
Balance : 2700 $

1 # transfer
2 ktb.transfer("1523333024",1000)

--Transfer submitted!--
Source Account number : 01320004
Amount : 1000 $
Destination account number : 1523333024

1 #.change.phone.num
2 ktb.change_phone_num("01234")
3
4 ktb.change_phone_num("0992224545")

--Incorrect phone number format--
Please try again..
--Your phone number has been changed--
New phone number : 0992224545

```

## ▼ 2. Pao ying chub

```

1 import random
2
3 turn = 0
4 win = 0
5 lose = 0
6 tie = 0
7
8 list1 = [0,2,5]
9 value = ['Rock', 'Scissors', 'Paper']
10
11 print('Hi! Welcome to Rock-Scissors-Paper game with AI')
12
13 while turn >= 0 :
14     turn += 1
15     print(f'----- Round : {turn} -----')
16
17     human = int(input('Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => '))
18     com = random.choice(list1)
19
20     if human == 0 and com == 0 :
21         tie += 1
22         print("""          Player choose : Rock
23         Computer choose : Rock""")
24         print('Draw!')
25     elif human == 2 and com == 2 :
26         tie += 1
27         print("""          Player choose : Scissors
28         Computer choose : Scissors""")
29         print('Draw!')
30     elif human == 5 and com == 5 :
31         tie += 1
32         print("""          Player choose : Paper
33         Computer choose : Paper""")
34         print('Draw!')
35
36     elif human == 0 and com == 2 :
37         win += 1
38         print("""          Player choose : Rock
39         Computer choose : Scissors""")
40         print('You win!')
41     elif human == 2 and com == 5 :
42         win += 1
43         print("""          Player choose : Scissors
44         Computer choose : Paper""")
45         print('You win!')
46     elif human == 5 and com == 0 :
47         win += 1
48         print("""          Player choose : Paper
49         Computer choose : Rock""")
50         print('You win!')
51

```

```

52     elif human == 0 and com == 5 :
53         lose += 1
54         print("""          Player choose : Rock
55         Computer choose : Paper""")
56         print('You lose!')
57     elif human == 2 and com == 0 :
58         lose += 1
59         print("""          Player choose : Scissors
60         Computer choose : Rock""")
61         print('You lose!')
62     elif human == 5 and com == 2 :
63         lose += 1
64         print("""          Player choose : Paper
65         Computer choose : Scissors""")
66         print('You lose!')
67     elif human == 9 :
68         print('Quit game')
69         print('----- Summary -----')
70         print('      Win : Tie : Lose ')
71         print(f'      {win} : {tie} : {lose} ')
72         if win > lose :
73             print('You win!')
74         elif win < lose :
75             print('Your lose!')
76         else :
77             print('We are Draw!')
78         break
79     else :
80         print('Wrong message. Plrase try again...')

Hi! Welcome to Rock-Scissors-Paper game with AI
----- Round : 1 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 0
Player choose : Rock
Computer choose : Rock

Draw!
----- Round : 2 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 0
Player choose : Rock
Computer choose : Paper

You lose!
----- Round : 3 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 2
Player choose : Scissors
Computer choose : Scissors

Draw!
----- Round : 4 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 5
Player choose : Paper
Computer choose : Paper

Draw!
----- Round : 5 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 5
Player choose : Paper
Computer choose : Scissors

You lose!
----- Round : 6 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 1
Wrong message. Plrase try again...
----- Round : 7 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 1
Wrong message. Plrase try again...
----- Round : 8 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 3
Wrong message. Plrase try again...
----- Round : 9 -----
Choose weapon : Rock (0), Scissors (2), Paper (5) , Quit game (9) => 9
Quit game
----- Summary -----
      Win : Tie : Lose
      0 : 3 : 2
Your lose!

```

