Homework

HW01 - Pizza chatbot

HW02 - Pao Ying Chub game

HW03 - Create ATM

Pizza chatbot

```
def pizza():
    pizza_list = ["seafood", "hawaiian", "pepperoni", "tomyum"]
    flour_list = ["thick", "thin", "extreme cheese"]
    size_list = ["small", "medium", "large"]

    orders = {
        "type": " ",
        "flour": " ",
        "size": " ",
    }

    print(" ")
    print(" Welcome to 'PaPa Pizza Homemade' ")

    while True:
        print(" ")
        print(pizza_list)
        types = input("Please select topping on your pizza? ")
        if types  in pizza_list:
            orders["type"] = types
        else:
            print(" ")
            print("Sorry this choice is not available, Choose topping again!")
            continue

        while True:
            print(" ")
            print(flour_list)
            flours = input("Which type of flour do you want?")
            if flours in flour_list:
                orders["flour"] = flours
            else:
                print(" ")
                print("Sorry this choice is not available, Choose flour again!")
                continue

            while True:
                print(" ")
                print(size_list)
                sizes = input("Which size do you want?")
                if sizes in size_list:
                    orders["size"] = sizes
                else:
                    print(" ")
                    print("Sorry this choice is not available, Choose size again!")
                    continue

                print(" ")
                print(" ---  Orders Sumary --- ")
                return orders


pizza()
```

```
 Welcome to 'PaPa Pizza Homemade'

['seafood', 'hawaiian', 'pepperoni', 'tomyum']
Please select topping on your pizza? seafood

['thick', 'thin', 'extreme cheese']
```

```
Which type of flour do you want?thick

['small', 'medium', 'large']
Which size do you want?large

 ---  Orders Sumary ---
{'type': 'seafood', 'flour': 'thick', 'size': 'large'}
```

PAO YING CHUB GAME

```python
import random

def pao_ying_chub():
    option_list = ["R", "P", "S"]
    user_score = 0
    bot_score = 0

    print("Welcome to Pao Ying Chub Game!!!")
    print("""You have to choose one of choice :
        'R'= Rock
        'P'= Paper
        'S'= Scissor
     You will get 1 point if you win!!!

     If you wanna stop this game,you can type 'exit'.""")

    while True:
        print(" ")
        user_choose= input("Choose one 'R'ock, 'P'aper, 'S'cissor : ")

        if user_choose == "exit":
            print(" ")
            print("----Score Summary----")
            print(f" Your score is {user_score} ")
            print(f" Bot score is {bot_score}")
            print(" ")
            print("---- Thank You for Your Time !! ----")
            break
        elif user_choose not in option_list:
            print("--- !!!'R'= Rock, 'P'= Paper, 'S'= Scissors !!! ---")
            continue

        bot_choose = random.choice(option_list)

        if user_choose == bot_choose:
            print(f"Your Choice : {user_choose}")
            print(f"Bot Choice : {bot_choose}")
            print(" --- Tie ---")

        elif user_choose == "R" and bot_choose == "S":
            print(f"Your Choice : {user_choose}")
            print(f"Bot Choice : {bot_choose}")
            print(" --- Win ---")
            user_score += 1

        elif user_choose == "S" and bot_choose == "P":
            print(f"Your Choice : {user_choose}")
            print(f"Bot Choice : {bot_choose}")
            print(" --- Win ---")
            user_score += 1

        elif user_choose == "P" and bot_choose == "R":
            print(f"Your Choice : {user_choose}")
            print(f"Bot Choice : {bot_choose}")
            print(" --- Win ---")
            user_score += 1

        else:
            print(f"Your Choice : {user_choose}")
            print(f"Bot Choice : {bot_choose}")
            print(" --- Lose ---")
            bot_score += 1

pao_ying_chub()
```

```
65
66
67
68
```

```
    Welcome to Pao Ying Chub Game!!!
    You have to choose one of choice :
            'R'= Rock
            'P'= Paper
            'S'= Scissor
         You will get 1 point if you win!!!

         If you wanna stop this game,you can type 'exit'.

    Choose one 'R'ock, 'P'aper, 'S'cissor : R
    Your Choice : R
    Bot Choice : S
     --- Win ---

    Choose one 'R'ock, 'P'aper, 'S'cissor : P
    Your Choice : P
    Bot Choice : R
     --- Win ---

    Choose one 'R'ock, 'P'aper, 'S'cissor : S
    Your Choice : S
    Bot Choice : S
     --- Tie ---

    Choose one 'R'ock, 'P'aper, 'S'cissor : exit

    ----Score Summary----
     Your score is 2
     Bot score is 0

    ---- Thank You for Your Time !! ----
```

OOP - ATM

```
 1 class atm:
 2     def __init__(self, id, name, bank, balance ):
 3         self.id = id
 4         self.name = name
 5         self.bank = bank
 6         self.balance = balance
 7
 8     def hello(self):
 9         print(f"Hello! {self.name}, Welcome to KookKik Bank")
10         print(" ")
11         print("Please select amount or transaction")
12
13     def account(self):
14         print(f"Your account number is {self.id}")
15         print("")
16         print("Would you like to do more transactions? ")
17
18     def deposit (self, atm):
19         self.balance += atm
20
21     def withdraw (self, atm):
22         self.balance -= atm
23
24     def current (self) :
25         print(f"Your account name : {self.name}")
26         print("")
27         print(f"Your account no. {self.id} ")
28         print("")
29         print(f"current balance : {self.balance}")
30
```

```
1 kkb = atm(123456, "pasit", "kkb", 10000)
2 kkb2 = atm(876543, "jojo", "kkb", 20000)
3 kkb3 = atm(109800, "man", "kkb", 30000)
4
5 print(kkb.balance)
```

```
    10000
```

```
1 #hello
2 kkb.hello()
```

```
    Hello! pasit, Welcome to KookKik Bank

    Please select amount or transaction
```

```
1 #check your account number
2 kkb.account()
```

```
    Your account number is 123456

    Would you like to do more transactions?
```

```
1 #deposit 5000 to your account
2 kkb.deposit(5000)
3 print(kkb.balance)
```

```
    15000
```

```
1 #withdraw 2500 from your account
2 kkb.withdraw(2500)
3 print(kkb.balance)
```

```
    12500
```

```
1 # check your current balance
2 kkb.current()
```

```
    Your account name : pasit

    Your account no. 123456

    current balance : 12500
```