HW1 : Pao Ying Chub Game with python

- a chatbot for playing Rock, Paper, Scissors
- Unlimited times to play

```python
from random import sample
import pandas as pd

def pao_ying_chub():
    item_df = pd.DataFrame({
        'id' : [1,2,3,99],
        'action' : ['Rock','Paper','Scissors','Quit']
    })
    win = 0
    lose = 0
    tie = 0
    i = 0

    print('Hello! Welcome to Pao Ying Chub Game')

    while i<1 :
        print('Which number are you gonna choose?')
        player = int(input('[1] Rock [2] Paper [3] Scissors [99] Quit : '))

        if (player == 1) | (player == 2) | (player == 3) :
            computer = sample([1,2,3],1)
            print('------------------------------------------------------------
            print(f"You choose : {item_df['action'][player-1]}")
            print(f"Computer choose : {item_df['action'][computer[0]-1]}")
            if player == computer[0] :
                print("It's a TIE!!")
                tie += 1
                print('------------------------------------------------------------
            elif (player == 1 and computer[0] == 3) or\
                 (player == 2 and computer[0] == 1) or\
                 (player == 3 and computer[0] == 2) :
                print(f"{sample(['Congrats','Awesome!'],1)} You WIN !!")
                win += 1
                print('------------------------------------------------------------
            else :
                print(f"{sample(['Sorry :p','Gotcha!'],1)} You LOSE !!")
                lose += 1
                print('------------------------------------------------------------
        elif player == 99 :
            print('============================================================
            if (win == 0) & (lose == 0) & (tie == 0) :
```

```python
                    print("Your total score is ZERO !")
                else :
                    print(f"Here is your total score :\n Win : {win}\n Lose : {lose}\
                #player want to quit, update i to break while loop
                print("Hope to play with you again. Have a nice day!")
                i += 1
                print('=============================================================
        else :
                print('-------------------------------------------------------------
                print('You entered incorrect number, please try again.')
                print('-------------------------------------------------------------
```

```python
pao_ying_chub()
```

```
Hello! Welcome to Pao Ying Chub Game
Which number are you gonna choose?
[1] Rock [2] Paper [3] Scissors [99] Quit :  77
-------------------------------------------------------------
You entered incorrect number, please try again.
-------------------------------------------------------------
Which number are you gonna choose?
[1] Rock [2] Paper [3] Scissors [99] Quit :  3
-------------------------------------------------------------
You choose : Scissors
Computer choose : Rock
['Sorry :p'] You LOSE !!
-------------------------------------------------------------
Which number are you gonna choose?
[1] Rock [2] Paper [3] Scissors [99] Quit :  3
-------------------------------------------------------------
You choose : Scissors
Computer choose : Paper
['Congrats'] You WIN !!
-------------------------------------------------------------
```