Name_____ **Student ID** _____

Problem 1 : Win Rate Calculation (2 Points)

Write a programe to calculate the winrate with this given formula.

$$winrate_i = \frac{wins_i}{(wins_i + losses_i)}$$

Example 1	Example 2
1.Create your own input1.txt and type the below data (Or you can click here to download this data) Chelsea,7,18 Arsenal,20,8 Liverpool,20,13 Crystal Palace,9,19 Norwich,27,4 Manchester United,6,19 2. Presumably, these are the data of 6 football teams. 7,18 refers to the team number 1 wins 7 times or games and loses 18 times. 3. Write a program that can calculate the result as shown below.	1.Create your own input2.txt and type the below data (Or you can click here to download this data) Leicester,7,18 Sheff Utd,20,8 West Ham,20,13 Tottenham,9,19 Wolve,27,4 Burnley FC,6,19 Man.city,22,10 Aston Villa,19,9 2. Presumably, these are the data of 8 football teams. 7,18 refers to the team number 1 wins 7 times or games and loses 18 times. 3. Write a program that can calculate the result as shown below.

```Enter a file name: input1.txt```
 ```Total team(s): 6```
 ```Chelsea: got win rate 0.28000```
 ```Arsenal: got win rate 0.71429```
 ```Liverpool: got win rate 0.60606```
 ```Crystal Palace: got win rate 0.32143```
 ```Norwich: got win rate 0.87097```
 ```Manchester United: got win rate 0.24000```
 ```==========```
 ```Norwich got maximum win rate 0.87097```
 ```Manchester United: got minimum win rate 0.24000```
	```Enter a file name: input2.txt```
	 ```Total team(s): 8```
	 ```Leicester: got win rate 0.28000```
	 ```Sheff Utd: got win rate 0.71429```
	 ```West Ham: got win rate 0.60606```
	 ```Tottenham: got win rate 0.32143```
	 ```Wolve: got win rate 0.87097```
	 ```Burnley FC: got win rate 0.24000```
	 ```Man.city: got win rate 0.68750```
	 ```Aston Villa: got win rate 0.67857```
	 ```==========```
	 ```Wolve got maximum win rate 0.87097```
	 ```Burnley FC got minimum win rate 0.24000```

Crate a menu (3 Points)
Code Hint:

```
numbers = [1, 3, 4, 2]
# Sorting list of Integers in ascending (น้อยไปมาก)
numbers.sort()
================
numbers = [1, 3, 4, 2]

# Sorting list of Integers in descending (มากไปน้อย)
numbers.sort(reverse = True)
```

```What do you want to know ? (m)in , ma(x), (o)rder max to min, o(r)der min to max, (q)uit : m```
 	
 ```Manchester United: got minimum win rate 0.24000```
 	
 ```What do you want to know ? (m)in , ma(x), (o)rder max to min, o(r)der min to max, (q)uit : x```
 	
 ```Norwich got maximum win rate 0.87097```
	```What do you want to know ? (m)in , ma(x), (o)rder max to min, o(r)der min to max, (q)uit : o```
	
	 ```Total team(s): 6```
	 ```Norwich: got win rate 0.87097```
	 ```Arsenal: got win rate 0.71429```
	 ```Liverpool: got win rate 0.60606```
	 ```Crystal Palace: got win rate 0.32143```
	 ```Chelsea: got win rate 0.28000```
	 ```Manchester United: got win rate 0.24000```
	
	 ```What do you want to know ? (m)in , ma(x), (o)rder max to min, o(r)der min to max, (q)uit : q```
	 ```Bye```