

Loops: Exercises

Q1) Continuously ask the user to enter a number until they provide a blank input. Output the sum of all the numbers.

Input	Output
1 4 2 1	8
-1 2 4	5
	0

Q2) Use a for loop to format and print the following list:

```
mailing_list = [  
    ["Roary", "roary@moth.catchers"],  
    ["Remus", "remus@kapers.dog"],  
    ["Prince Thomas of Whitepaw", "hrh.thomas@royalty.wp"],  
    ["Biscuit", "biscuit@whippies.park"],  
    ["Rory", "rory@whippies.park"],  
]
```

Output
Roary: roary@moth.catchers Remus: remus@kapers.dog Prince Thomas of Whitepaw: hrh.thomas@royalty.wp Biscuit: biscuit@whippies.park Rory: rory@whippies.park

Q3) Use a while loop to ask the user for three names and append them to a list, then use a for loop to print the list.

Input	Output
Izzy Archie Boston	Izzy Archie Boston

Q4) Below is a list of foods and their prices per unit:

```
groceries = [  
    ["Baby Spinach", 2.78],  
    ["Hot Chocolate", 3.70],  
    ["Crackers", 2.10],  
    ["Bacon", 9.00],  
    ["Carrots", 0.56],  
    ["Oranges", 3.08]  
]
```

Ask the user how many units of each item they bought, then output the corresponding receipt.

For the input below, assume that the input is provided in the same order as defined in the list above.

Input	Output
1 3 2 1 4 2	====Izzy's Food Emporium==== Baby Spinach \$2.78 Hot Chocolate \$11.10 Crackers \$4.20 Bacon \$9.00 Carrots \$2.24 Oranges \$6.16 =====
	\$35.48