**Câu 1:**

What is nested list?

**Trả lời:**

+ Tức là 1 list nằm trong 1 list khác (lồng nhau)

+ VD:



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**Câu 2:**

Can a list store both integers and strings in it?

**Trả lời:**

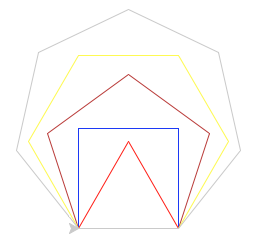
+ Có thể

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**Exercise 1:**

Given the following list: colors = ['red', 'blue', 'brown', 'yellow', 'grey']

Use turtle to draw the following shapes:



**Trả lời:**

+ File ex1.py

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**Exercise 2:**

Given the following list: colors = ['red', 'blue', 'brown', 'yellow', 'grey']

Use turtle to draw the following shapes:



**Trả lời:**

+ File ex2.py

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**Exercise 3:**

Finish CRUD exercise in class, simulate a clothes shop:

Welcome to our shop, what do you want (C, R, U, D)? R

Our items: T-Shirt, Sweater

Welcome to our shop, what do you want (C, R, U, D)? C

Enter new item: Jeans

Our items: T-Shirt, Sweater, Jeans

Welcome to our shop, what do you want (C, R, U, D)? U

Update position? 2

New item? Skirt

Our items: T-Shirt, Skirt, Jeans

Welcome to our shop, what do you want (C, R, U, D)? D

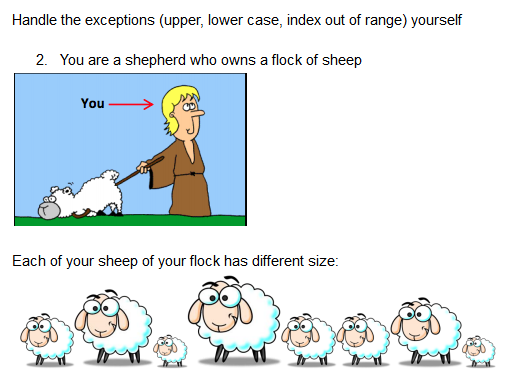
Delete position? 3

Our items: T-Shirt, Skirt

**Trả lời:**

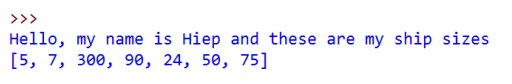
+ File ex3.py

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**Exercise 4:**

Create a list to represent the sizes of your flock, using list, and print all of your flock size, expected screen output



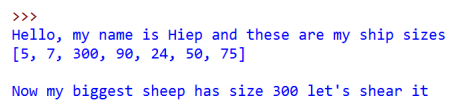
**Trả lời:**

+ File ex4.py

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**Exercise 5:**

At the end of each month, you have to choose one and only one sheep to shear and thus you want to choose the biggest one to maximize your profit. Write a program to search for the biggest sheep in your list



**Trả lời:**

+ File ex5.py

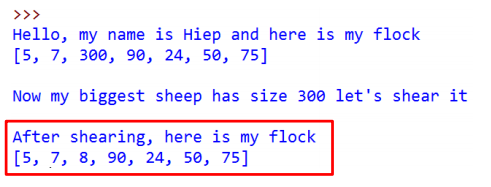
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**Exercise 6:**

When your biggest sheer, its size will return to the default size, which is 8.

Print out your ship size after shearing the biggest one:

Hint: Google “Python List index function”



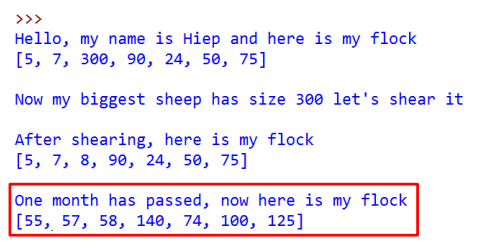
**Trả lời:**

+ File ex6.py

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**Exercise 7:**

2.4 In the following month, EVERY sheep in your flock grow, they have their size increased by 50. Print them out



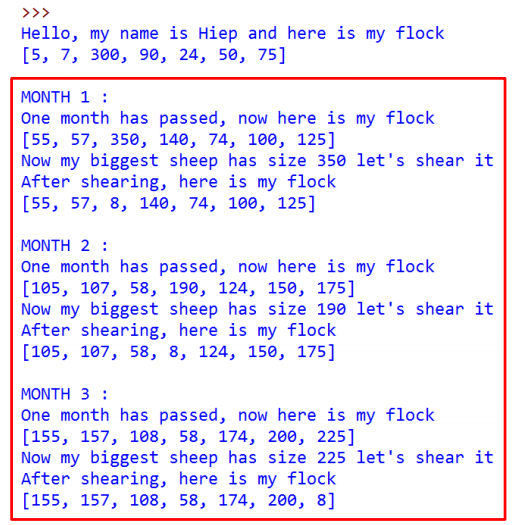
**Trả lời:**

+ File ex7.py

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**Exercise 8:**

Let do this for 4 months (or as long as you want):



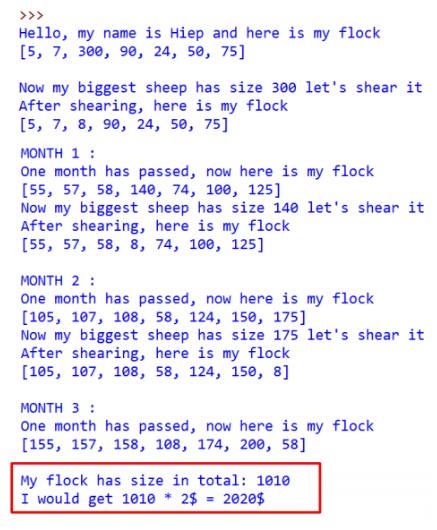
**Trả lời:**

+ File ex8.py

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**Exercise 9:**

After day by day shearing sheep, you became bored. You want to sell your flock to travel the world. In order to have fair trade, you must now calculate the total size of your sheep and then the expected money you can get from your flock before going to the market. Write a program to calculate the total size of your sheep as well as the money you would have. Expected screen output:



**Trả lời:**

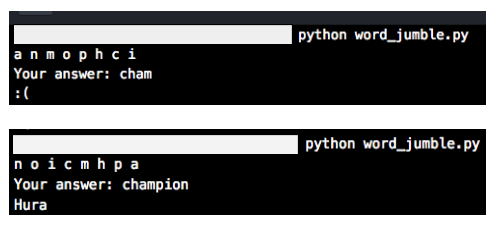
+ File ex9.py

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**Exercise 10:**

Implement Word Jumble game

a. Print a specific word’s characters in random order then ask users to guess the word, then check if they are correct:



**Trả lời:**

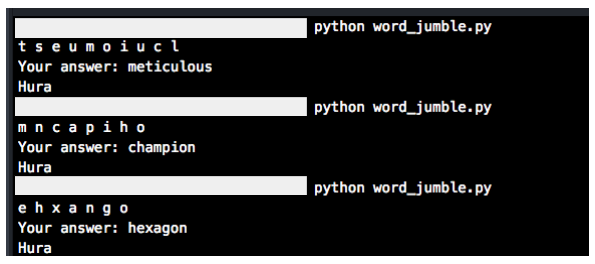
+ File ex10.py

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**Exercise 11:**

Implement Word Jumble game

b. Scale up 3.a by randomly picking the word from a word list:



**Trả lời:**

+ File ex11.py