

First Question

Instructions

💪 This is a difficult challenge! 💪

You are going to write a program that tests the compatibility between two people.

To work out the love score between two people:

1. Take both people's names and check for the number of times the letters in the word TRUE occurs.
2. Then check for the number of times the letters in the word LOVE occurs.
3. Then combine these numbers to make a 2 digit number.

For Love Scores **less than 10** or **greater than 90**, the message should be:

"Your score is *x*, you go together like coke and mentos."

For Love Scores **between 40 and 50**, the message should be:

"Your score is *y*, you are alright together."

Otherwise, the message will just be their score. e.g.:

"Your score is *z*."

e.g.

```
name1 = "Angela Yu"
```

```
name2 = "Jack Bauer"
```

T occurs 0 times

R occurs 1 time

U occurs 2 times

E occurs 2 times

Total = 5

L occurs 1 time

O occurs 0 times

V occurs 0 times

E occurs 2 times

Total = 3

Love Score = 53

Print: "Your score is 53."

These functions will help you:

[lower\(\)](#) [count\(\)](#)

Example Input 1

Kanye West

Kim Kardashian

Example Output 1

The Love Calculator is calculating your score...

Your score is 42, you are alright together.

Example Input 2

Brad Pitt

Jennifer Aniston

Example Output 2

The Love Calculator is calculating your score...

Your score is 73.

Hint

You can check your values against mine using this table:

Name 1	Name 2	Score
Brad Pitt	Jennifer Aniston	73
Prince William	Kate Middleton	67
Ashton Kutcher	Mila Kunis	63
Angela Yu	Jack Bauer	53
David Beckham	Victoria Beckham	45
Mario	Princess Peach	43
Kanye West	Kim Kardashian	42

Second Question

Instructions

You are going to write a virtual coin toss program. It will randomly tell the user "Heads" or "Tails".

Important, the first letter should be capitalised and spelt exactly like in the example e.g. "Heads", **not** "heads".

There are many ways of doing this. But to practice what we learnt in the last lesson, you should generate a random number, either 0 or 1. Then use that number to print out "Heads" or "Tails".

e.g. 1 means Heads 0 means Tails

1. Import random function
2. Compare generated number by using if else statement

These functions will help you:

`random.randint(0,1)`

Example Output

Heads

or

Tails

Third Question

Instructions

```
print("Welcome to Treasure Island.")
```

```
print("Your mission is to find the treasure.")
```

```
choice1 = input() # 'You\'re at a cross road. Where do you want to  
go? Type "left" or "right" \n'
```

```
choice2 = input() # 'You\'ve come to a lake. There is an island in the  
middle of the lake. Type "wait" to wait for a boat. Type "swim" to  
swim across. \n'
```

Complete this treasure game by using the below flow chart



