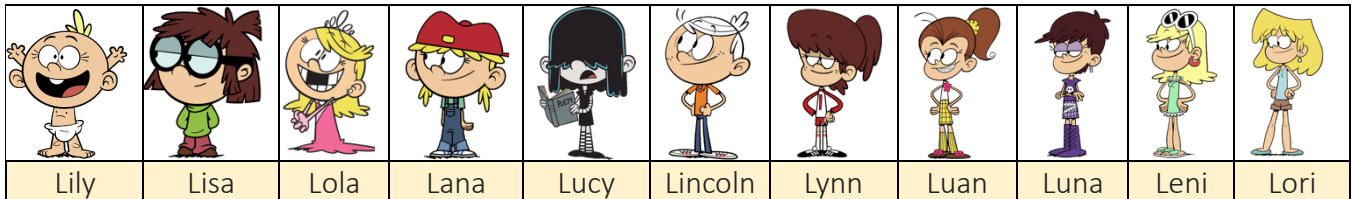


Lab 08 - Assignment
Dictionaries
CS 112 – Summer 2022

Description

Lincoln Loud is the middle child and only son in a large family of 11 children:



Mr. Loud has decided to take a day off to cook, so he has bought 11 different foods:

pizza, hamburger, hot dog, nuggets, noodles, spaghetti, tacos, salad, sandwich, corn soup, grilled potato

To avoid conflict, he has decided to do the following:

- In a list, he writes down all the foods
- Randomly assigns a food starting from the youngest (Lily) to the oldest (Lori)
- Lori is on a diet, so in case she got pizza, she swaps it for Lincoln's plate

Facts you already know:

- Before lunch, each child has a different food and Lori never ends with pizza

Requirements:

- Use a list for children's names
- Use a list for foods
- Create a dictionary to map each pair `child:food`
- Use the `.pop(index)` method to randomly select a food for each child as follows:

```
#copy this code at the top of your program
import random
#copy this code to randomly select the index used in pop()
index = random.randrange(len(foods)) #foods is the list name
```

Output:

Which food was assigned to each child

Allowed things:

- Any arithmetic operators are all fine to use, such as `+`, `-`, `*`, `**`, `/`, `%`, and, or, `=`, etc.
- Any relational operator: `<`, `<=`, `==`, etc.
- Branching: `if`, `if-else`, `if-elif-else`
- These functions `print()`, `str()`, `range()`, `list()`, `dict()`

Disallowed things:

- You are only allowed to `import random`
- You are not allowed to use any features not covered in lecture yet
- No hard coding