

Simulation- Experiments and Trials

Given this list **names** = ["Kelly", "Margaret", "Rishab", "Rebecca", "Gayatri", "Ellie"]

Write a function **chooseRandom(names)** that takes in the list and returns a random name from the list.

Write a function **randomOrder(names)** that takes in a list and outputs a random shuffle of the list. **Do not use random.shuffle!**

Write the function **flipCoin()**.

Now, write a function **100Flips()** that shows that over 100 coin flips, approximately 50% of flips are heads.

Finally, write a function **nFlips(n)** that shows over n coin flips, approximately 50% of flips are heads. (Alternatively, output the probability that you flip heads).