

CS 457 Homework 6: Functions
for Wed Sep 16 2026

These are some suggestions to help you prepare for quiz 6.

1. A particular brand of Las Vegas slot machine has three spinning cylinders, each of which can display one of five symbols (call them 'a' through 'e'). Write a program that prints all the combinations of symbols that the machine can display after the lever is pulled. If there are n symbols, how many displays are possible?
2. Write a function that, given a string, prints how many times each character in the word appears. Hint 1: you can 'for' across a string! Hint 2: use a dict to keep a count for each character.
3. Go over any homework problems that you had trouble with previously and make sure you can do them now. We are ending the 'Python intro' section of the course!