

CS161 Final Proficiency Demonstrations (1-D array)

Write a program to **dynamically allocate** memory for a one-dimensional array on the **heap**:

- Please allow the user to specify the size of the array at runtime
- Fill the array with random numbers, 0 or 1, for each element in the array
- Write a function, **void fun(int* a, int size)**, to:
 - Print to the screen: the total number of 1s in the array
 - Print to the screen: the total number of 0s in the array
- Delete memory created on the heap when you are done using it (no memory leaks)