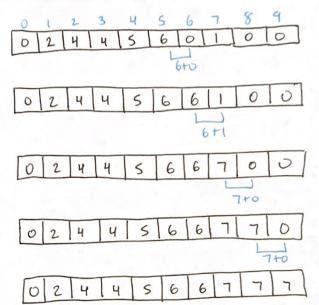
- 1) Consider data with a given range 0 = arr[i] = 100 values = 0 > 99
- 2) Create a counter array

Ex: Consider data in range of 0 to 9 arr = \(\frac{2}{5} \) \(\lambda \), \(\lambda \ counter = \(\frac{2}{5} \, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 \)

iterate through arr and increment appropriate index that match arr[i] value

Index: Value: Counter: arr[i] 0 1 2 3 4 5 6 7 8 9 arr[i] 0 | 1 | 20, 1, 0, 0, 0, 0, 0, 0, 0, 0 3 4 20,1,0,0,1,0,0,0,0,03 1 20,2,0,0,1,0,0,0,0,03 2 80,2,1,0,1,0,0,0,0,03 7 80,2,1,0,1,0,0,1,0,03

3) Modify the counter array by adding the previous counts 02201 0 2 4 4 5 1 5+1



Since input size = 7, create an array with 7 places

Corresponding values represent the places in the counter array

places: 1 2 3 4 5 6 7

Place the objects in correct position and decrease the count by one

