1.1 Is Unique - determine if a string has all unique characters. > Input > Return Values > Acread > Quertions Simplest Version of the problem IN- "a" -Sort the chars mergesort Out - "a" > True #SOLUTION Problem vZ - Compare each char with IN- "ab" SWILESSOF OUJ-# True - I Make an boolean Hrray Problem v3 and put true if it has already been used.

- As you it erate you check
if a char is marked IN- "abas" > aabc OUT- & False true. Lode. def is Unique(string): l = list(string) O(n)-Time O(1)-space sortel, sort () - Use a bitwise tor i in range (len(sort)-1): if sort[i] == sort[i+1]: return false return true

-Notes from solution - Ask is string is ASCII or Unicode
- Ask is string is ASCII or Unicode
- Return false if num characters oxeeds 128 or
- 109,384 chars in Unicode 6.0 > 1,111,998
- Sorting only works if you can modify the string