[Unique Email Addresses](https://leetcode.com/problems/unique-email-addresses/)

**package** unsolvedpackage;

**import** java.util.\*;

**public** **class** UniqueEmailAddress {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

String[] emails = {"test.email+alex@leetcode.com","test.email.leet+alex@code.com"};

System.***out***.println(*numUniqueEmails*(emails));

}

**public** **static** **int** numUniqueEmails(String[] emails) {

//edge case

**if**(emails == **null** || emails.length == 0)

**return** 0;

//keep track of seen email

Set<String> set = **new** HashSet<>();

**for**(**int** i = 0 ; i < emails.length ; i++) {

//split by local and domain name

String[] res = emails[i].split("@");

//remove all the . periods

res[0] = res[0].replace(".","");

//find the index in local name from where we need to ignore

**int** index = res[0].indexOf("+");

**if**(index != -1)

res[0] = res[0].substring(0 , index);

//add the changes email to the set

set.add(res[0]+"@"+res[1]);

}

//size of set denotes the unique email address to which mail ha sent

**return** set.size();

}

}

Time Complexity : O(n) , n is number of elements in array emails.

Space Complexity : O(n), n is number of elements in array emails.