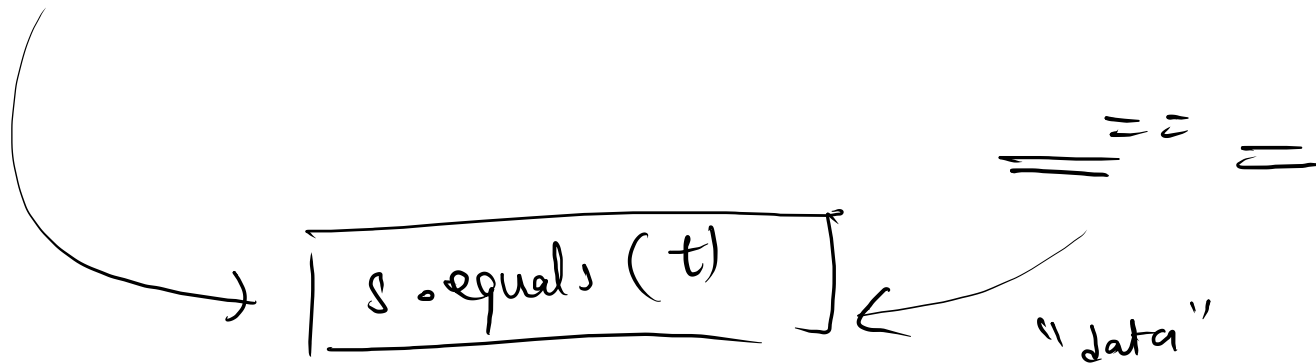
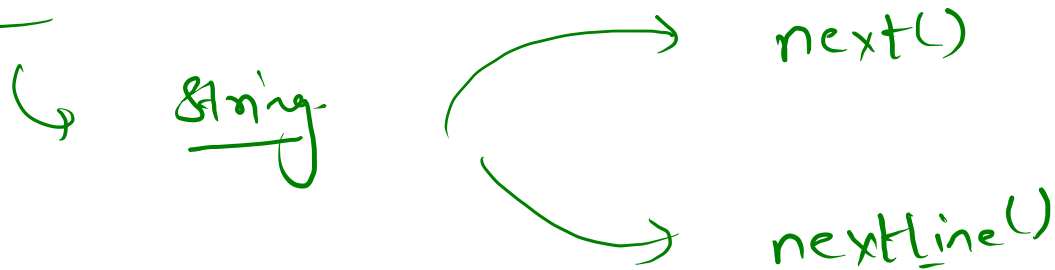


Revision.



n a m a n
↑ ↑



l R
R l

n a m a n
n a m a n .



ch - 'A' + 'a'

ch + 32

A
↓

65

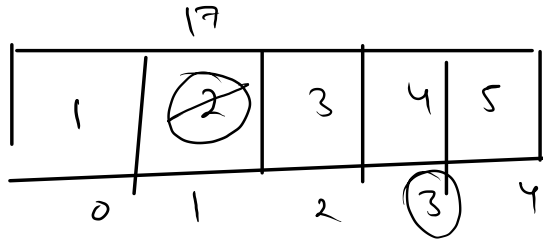
+32

a
|

97

⇒ 32

Update. → mutable.



"p
aman"
9x

→

→

"apan"
8x

Count Words

Sample Input 0

```
Welcome to geekster
```

Sample Output 0

3

Welcome to geekster

0 1 2 3 4 5 6 7 8 9

space = 2

ch = ' '

case

Welcome -- to - geekster.

↑ ↑ ↑

space = 3

word = 4

split \rightarrow

s \rightarrow welcome \ominus to - geekster.

string[] arr = s.split(" ");
= ["welcome", "to", "geekster"]



```
public static void main(String[] args) {  
    Scanner scn = new Scanner(System.in);  
    String s = scn.nextLine();  
  
    String [] A = s.split(" +");  
    System.out.println(A.length);  
  
    /*  
    int space = 0;  
  
    for(int i = 0; i < s.length(); i++){  
        if(s.charAt(i) == ' '){  
            space++;  
        }  
    }  
  
    System.out.println(space+1);  
  
    */  
}
```

8 → welcome to geekster

s.trim().split("_+");

```
1 import java.util.*;
2 public class Main
3 {
4     public static void main(String[] args) {
5         String s = "  welcome to geekster  ";
6
7         String [] A = s.trim().split("_+");
8
9         System.out.println(A.length);
10
11     }
12 }
13
```

trim()

↳ to remove leading
&
trailing spaces.

Find Unique

Sample Input 0

100234

Sample Output 0

5

g1: $s \rightarrow "100234"$

$\left. \begin{matrix} 1 \\ 0 \\ 2 \\ 3 \\ 4 \end{matrix} \right\} \rightarrow \underline{5}$

digits $\rightarrow 0$ to $9 \Rightarrow 10$ digits.

g2: $s \rightarrow "100"$

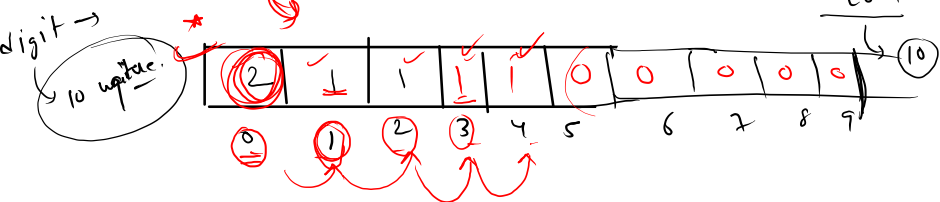
$\rightarrow (2)$

=

$(8) \rightarrow$

"100234"

1. create array as freq map.



2. count unique.

$c = 5$

$c = 1 \times 2 \times 3 \times 4 \times 5$

$A[i] \neq 0$

$\rightarrow ++$

$\delta \rightarrow$ "5 7 5 7 60"

ans \rightarrow 4. ✓

<div>tr/f</div>										
<div>1</div>	0	0	0	0	<div>2</div>	<div>1</div>	<div>2</div>	0	0	
<u>0</u>	1	2	3	4	<u>5</u>	<u>6</u>	<u>7</u>	8	9	

0 to 9


```

import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        String s = scn.nextLine();

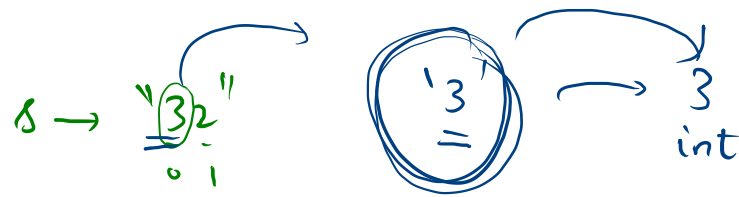
        int [] freq = new int[10];
        for(int i = 0; i < s.length(); i++){
            char ch = s.charAt(i);

            freq[ch - '0']++;
        }

        int ans = 0;
        for(int ele : freq){
            if(ele != 0){
                ans++;
            }
        }

        System.out.println(ans);
    }
}

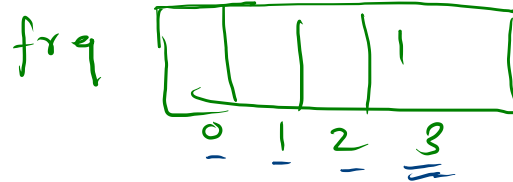
```



ch - '0'

'3' - '0'

= 51 - 48



A['3']

A[3]

int = 3

Locate the Target String

Sample Input 0

8 → geekster
0 1 2 3 4 5 6 7
t → st
=

Sample Output 0

4

search

t in s

geeksterster
0 1 2 3 4 5 6 7 8 9 10



st

"gee"

index of

```
Main.java
1 import java.util.*;
2 public class Main
3 {
4     public static void main(String[] args) {
5         String s = "geekster";
6         String t = "z";
7
8
9         System.out.println( s.indexOf(t) );
10
11
12     }
13 }
```

-1

```
1  ▼ import java.io.*;
2  import java.util.*;
3
4  ▼ public class Solution {
5
6  ▼     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         String s = scn.nextLine();
9
10        String t = scn.nextLine();
11
12        System.out.println(s.indexOf(t));|
13    }
14 }
```

Find Distance B/W Two Characters

Sample Input 0

Geeks
G
s

Sample Output 0

3

0
↓
G e e k s
0 1 2 3 4
am = 3 4

c1 = f

c2 = g

4 - 0 = 1
c1 = 'G' → 0
c2 = 's' → 4
3

↓
g a m e o f t h r
0 1 2 3 4 5 6 7 8
4

|0 - 4| - 1

4 - 1 = 3

|0 - 5| - 1
= 4

```
1  ▼ import java.io.*;
2  import java.util.*;
3
4  ▼ public class Solution {
5
6  ▼     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         String s = scn.nextLine();
9         char c1 = scn.nextLine().charAt(0);
10        char c2 = scn.nextLine().charAt(0);
11
12        int i1 = s.indexOf(c1);
13        int i2 = s.indexOf(c2);
14
15        System.out.println(Math.abs(i1 - i2) - 1);
16    }
17 }
```

Merge Strings Alternatively

$s \rightarrow \text{"g\underline{e}e\underline{k}"}$
 $t \rightarrow \text{"a\underline{m}a\underline{n}"}$ } \rightarrow "gaemekan" ?

$s \rightarrow$ g e e k
 $t \rightarrow$ a m a n

$\swarrow \searrow \swarrow \searrow \swarrow \searrow$

= gaemekan

✓
ans = ""
ga

for(~~i=0~~ _____ ; i < s.length();)
{
 ans += s.charAt(i);
 ans += t----
}

```
1  import java.io.*;
2  import java.util.*;
3
4  public class Solution {
5
6      public static void main(String[] args) {
7          Scanner scn = new Scanner(System.in);
8          String s = scn.nextLine();
9          String t = scn.nextLine();
10
11          String ans = "";
12          for(int i = 0; i < s.length(); i++){
13              ans += s.charAt(i);
14              ans += t.charAt(i);
15          }
16          System.out.println(ans);
17      }
18  }
```