Count Words

```
str = "Welcome_to_geekster"
 public static void main(String[] args) {
C=DL
                                      Scanner scn = new Scanner(System.in);
no. of words
                                      String str = scn.nextLine();
                                      int count = 0;
                                      for (int i = 0; i < str.length() - 1; i++) {
                                         char ch = str.charAt(i);
                                         char ch1 = str.charAt(i + 1);
                                         if ( ch == ' ' && ch1 != ' ' ) {
                                             count++;
                                      count++;
                                      System.out.println(count);
```

```
only when there are no spaces
                                                   C = 8 \times 23

oh ohl
public static void main(String[] args) {
 Scanner scn = new Scanner(System.in);
   String str = scn.nextLine();
 int count = 0;
 →for (int i = 0; i < str.length() - 1; i++) {</pre>
     → char ch = str.charAt(i);
      → char ch1 = str.charAt(i + 1);
       _if ( ch == ' ' && ch1 != ' ' ) {
           count++;
count++;
   System.out.println(count);
```

Inbuilt function str = "Welcome_to_geekster"

1) str. <u>Split</u> (' ');

create one array divided by space

our Welcome to geekster

2) str. Split ('e'); --> Wlcom _to_g" kst r

Find Unique

$$(i = 0)$$
, $ch = (1)$
 $int index = (1) - (0) = 1$
 $(i = 1)$, $ch = (0)$
 $index = (0) - (0) = 0$
 $(i = 2)$, $index = (2) - (0) = 2$
 $(i = 3)$, $ch = (2)$
 $index = (2) - (0) = 2$
 $(i = 4)$, $cindex = (2) - (0) = 3$
 $(i = 5)$, $cindex = (4) - (0) = 4$

```
public static void main(String[] args) {
                                                 str= "5401152";
   Scanner scn = new Scanner(System.in);
   String str = scn.nextLine();
   System.out.println(countUnique(str));
public static int countUnique(String str) {
→ boolean[] arr = new boolean[10];
   -for (int i = 0; i < str.length(); i++) {</pre>
                                                                          (=5, ch = 5)
       char ch = str.charAt(i);
                                              i=0, th='5'
                                                                            idx = (5) - (0) = 5
       int idx = ch - '0';
                                                    (dx = (5) - (0) = 5
       arr[idx] = true;
                                                                          i=6, ch=(2)
                                              t=1, ch='4'
                                                                                (2) = (2) - (2) = 0
                                                    (dx = (4) - (0) = 4
   int count = 0;
                                              (=2, th = '0'
   for (int i = 0; i < 10; i++) {
                                                     1/34 = (0, -(0) = 0
       if (arr[i] == true) {
                                              (=3, ch=1)
           count++;
                                                    ida = '1' - '0' = 1
                                              (=4, d=1)
   return (count);
                                                    1/2 = (1) - (0) = 1
```

Is Palindrome

- 2 pointers

```
si = starting index
ci = ending index
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String str = scn.nextLine();
    System.out.println(isPalindrome(str));
public static String isPalindrome(String str) {
   int si = 0:
    int ei = str.length() - 1;
   while (si <= ei) {
        if ( str.charAt(si) != str.charAt(ei) ) {
            return "Not a Palindrome";
        si++;
        ei--:
    return "Palindrome";
```