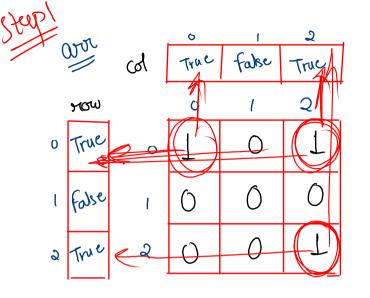


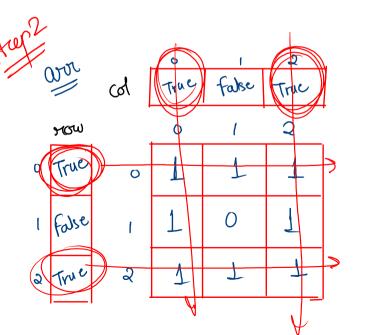
Brute force: - when encounter 1' convert all nows and col. into 1'.

can we do it like this?

No



tilling up
now array
and col. array



modify original wording to now array according and col. array

creating now array and col. array containing true or false Indicating if the now or col. does contains a 'l' or

main function

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int m = scn.nextInt(); // row
    int n = scn.nextInt(); // col
    int[][] arr = new int[m][n];
    for (int i = 0; i < m; i++) {
        for (int j = 0; j < n; j++) {
            arr[i][i] = scn.nextInt();
    }
    setOnes(arr, m, n);
    for (int i = 0; i < m; i++) {
        for (int j = 0; j < n; j++) {
            System.out.print(arr[i][j] + " ");
        System.out.println();
```

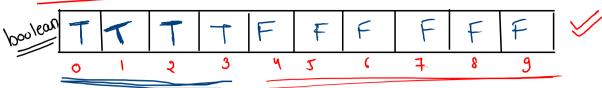
main logic

```
public static void setOnes(int[][] arr, int m, int n) {
    // step 1
                                        default is false
    boolean[] row = new boolean[m];
    boolean[] col = new boolean[n];
   for (int i = 0; i < m; i++) {
       for (int j = 0; j < n; j++) {
    if ( arr[i][j] == 1 ) {
            row[i] = true; J
col[j] = true; J
    // step 2
  for (int i = 0; i < m; i++) {
      for (int j = 0; j < n; j++) {
    if ( row[i] == true ) {
                 arr[i][j] = 1;
            arr[i][j] = 1;
```

Find Unique

020020000

among as hashmap



clata type :-

$$ch = '3'$$
 $idx = '3' - '0' = 3$

Organiza

```
We we
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String str = scn.nextLine();
   // building array as hashmap
    boolean[] check = new boolean[10];
    for (int i = 0; i < str.length(); i++) {
        char ch = str.charAt(i);
       int idx = ch - '0';
       check[idx] = true;
   // count trues in check array
    int count = 0;
    for (int i = 0; i < 10; i++) {
        if (check[i] == true) {
           count++;
   System.out.println(count);
```

```
n = size of string

7.c = 0 (n+10)

20(n)
```

Is Palindrome

```
Palindrome: - which is some when read from start and when read
                 from end
                                                  public static void main(String[] args) {
                                                      Scanner scn = new Scanner(System.in);
                                                      String str = scn.nextLine();
                           Ist == last
and == and last
                                                      int i = 0;
                                                      int j = str.length() - 1;
                             3rd = = 3rd last
                                                      while ( i <= j ) {
                                                          if ( str.charAt(i) != str.charAt(j) ) {
                                                              System.out.println("Not a Palindrome");
                                                              return;
                  T.C= redar
                                                           j--;
                                                      System.out.println("Palindrome");
                                                      return;
```

Sum of All Substrings

str. substring (si, ei+1);

str-substring $(1, 4) \Rightarrow bcd$ 11 $(0, 4) \Rightarrow abcd$ 11 $(0, 5) \Rightarrow abcde$ 11 $(1) \Rightarrow bcde$ 11 $(1) \Rightarrow bcde$

To convert string into integer

Integer.value Of (String);

Find Distance B/W Two Characters

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String str = scn.nextLine();
    char c1 = scn.next().charAt(0);
    char c2 = scn.next().charAt(0);
    int ans = Integer.MAX_VALUE;
for (int i = 0; i < str.length(); i++) {
   if ( c1 == str.charAt(i) ) {</pre>
          for (int j = i; j < str.length(); j++) {
   if ( c2 == str.charAt(j) ) {</pre>
                       ans = Math.min( ans, j - i - 1);
                                                                   T_{\cdot}C = ((N^2)
    System.out.println(ans);
```

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

int sum = 0;
    for(int i = 0; i < str.length(); i++) {
        for (int j = i; j < str.length(); j++) {
            sum += Integer.valueOf( str.substring(i, j + 1) );
        }
        System.out.println(sum);
}</pre>
```