1.class Solution {

public void rotate(int[][] matrix) {

// transpose the matrix

for(int m=0;m<=matrix.length-1;m++){

for(int n=m;n<matrix[0].length;n++){

int temp=matrix[m][n];

matrix[m][n]=matrix[n][m];

matrix[n][m]=temp;

}

}

// reverse every row in the matrix

for(int row=0;row<matrix.length;row++){

int indexNumber=0;

int len=matrix[0].length-1;

while(indexNumber<len){

int swap=matrix[row][indexNumber];

matrix[row][index]=matrix[row][len];

matrix[row][len]=swap;

indexNumber++;

len--;

}

}

}

}

2. class Solution {

public String reverseWords(String s) {

StringBuilder newWord= new StringBuilder();

s = s.trim();

String[] words= s.split(" ");

for(int i=words.length-1;i>=0;i--){

String str = words[i].trim();

if(str.length() == 0){

continue;

}

newWord.append(str);

if(i != 0){

newWord.append(" ");

}

}

return newWord.toString();

}

}

3. public void setZeroes(int[][] matrix) {

int m=matrix.length;

int n=matrix[0].length;

int[] a= new int[m];

int[] b= new int[n];

for(int i=0;i<m;i++){

for(int j=0;j<n;j++){

if(matrix[i][j]==0){

a[i]=1;

b[j]=1;

}

}

}

for(int i=0;i<m;i++){

for(int j=0;j<n;j++){

if(a[i]==1||b[j]==1){

matrix[i][j]=0;

}

}

}

}

4. public class Solution {

public boolean isAnagram(String s, String t) {

int length = s.length();

if(length != t.length()) {

return false;

}

char[] firstStr = s.toCharArray();

char[] lastStr = t.toCharArray();

int[] mask = new int[256];

for(char c : firstStr ) {

mask[c]++;

}

for(char c : lastStr ) {

if(mask[c] > 0) {

mask[c]--;

} else {

return false;

}

}

return true;

}

}

5. public String longestCommonPrefix(String[] strs) {

if (strs == null || strs.length == 0) {

return "";

}

for (int m = 0; m < strs[0].length(); m++) {

for (int n = 1; n < strs.length; n++) {

if (m >= strs[n].length() || strs[n].charAt(m) != strs[0].charAt(m)) {

return strs[0].substring(0, m);

}

}

}

return strs[0];

}