BACKTRACKING AND MAZE

import java.util.Arrays;  
  
public class Main {  
 public static void ways(String p, int r, int c , boolean[][] maze,int[][] path,int step){  
 if(r==maze.length-1&&c==maze[0].length-1 ){  
 path[r][c]=step;  
 for(int[] arr:path){  
 System.*out*.println(Arrays.*toString*(arr));  
 }  
 System.*out*.println(p);  
 System.*out*.println();  
 return;  
 }  
 if(!maze[r][c]){  
 return;  
 }  
 path[r][c]=step;  
 maze[r][c]=false;  
 if(r<maze.length-1){  
 *ways*(p+'D',r+1,c,maze,path,step+1);  
 }  
 if(c<maze[0].length-1){  
 *ways*(p+'R',r,c+1,maze,path,step+1);  
 }  
 if(r>0){  
  
 *ways*(p+'U',r-1,c,maze,path,step+1);  
 }  
 if(c>0 ){  
  
 *ways*(p+'L',r,c-1,maze,path,step+1);  
 }  
 maze[r][c]=true;  
 path[r][c]=0;  
 }  
 public static void main(String[] args) {  
 boolean[][] maze={  
 {true,true,true},  
 {true,true,true},  
 {true,true,true}  
 };  
 int[][] path=new int[maze.length][maze[0].length];  
 *ways*("",0,0,maze,path,1);  
  
 }  
}