**Problem name**: Binary TreePaths

**Description:**

Given a binary tree, return all root-to-leaf paths.

Note: A leaf is a node with no children.

class Solution **{**

List**<**String**>** paths **=** **new** ArrayList**<**String**>();**

public List**<**String**>** binaryTreePaths**(**TreeNode root**)** **{**

**if(**root **==** **null)**

**return** paths**;**

String str **=** ""**;**

makeList**(**root**,**str**);**

**return** paths**;**

**}**

public void makeList **(**TreeNode node**,** String str**){**

**if(**node **==** **null)**

**return;**

str **+=** node**.**val **+**"->"**;**

**if(**node**.**left **==** **null** **&&** node**.**right **==** **null){**

paths**.**add**(**str**.**substring**(**0**,**str**.**length**()-**2**));**

**}**

makeList**(**node**.**left**,**str**);**

makeList**(**node**.**right**,**str**);**

String aux **=** String**.**valueOf**(**node**.**val**);**

int lth **=** aux**.**length**()+**2**;**

str **=** str**.**substring**(**0**,**str**.**length**()-**lth**);**

**}**

**}**