**Minimum Distance Between BST nodes**

Given a Binary Search Tree (BST) with the root node root, return the minimum difference between the values of any two different nodes in the tree.

class Solution **{**

int min **=** Integer**.**MAX\_VALUE**;**

ArrayList**<**Integer**>** list **=** **new** ArrayList**<>();**

public int minDiffInBST**(**TreeNode root**)** **{**

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

**return** min**;**

initializeList**(**root**);**

inOrder**(**root**);**

**return** min**;**

**}**

public void initializeList**(**TreeNode node**){**

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

list**.**add**(**0**,**node**.**val**);**

**return;**

**}**

initializeList**(**node**.**left**);**

**}**

public void inOrder**(**TreeNode root**){**

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

**return;**

inOrder**(**root**.**left**);**

int ans **=** Math**.**abs**(**root**.**val **-** list**.**get**(**0**));**

**if(**ans **<** min **&&** ans **!=** 0**)**

min **=** ans**;**

list**.**add**(**0**,**root**.**val**);**

inOrder**(**root**.**right**);**

**}**

**}**