

Task # 01:

You are developing a feature for a file storage system where data is organized in a hierarchical folder structure, represented as a binary tree. Each folder can have up to two subfolders (left and right child). To ensure efficient data access and backup, the system must remain balanced — meaning that for every folder, the difference in height between its left and right subtrees should not exceed one. Write a function `isSystemBalanced(root)` that checks whether the folder structure (binary tree) is height-balanced. The function should return `true` if the system is balanced and `false` otherwise.