8593 - LAB 05

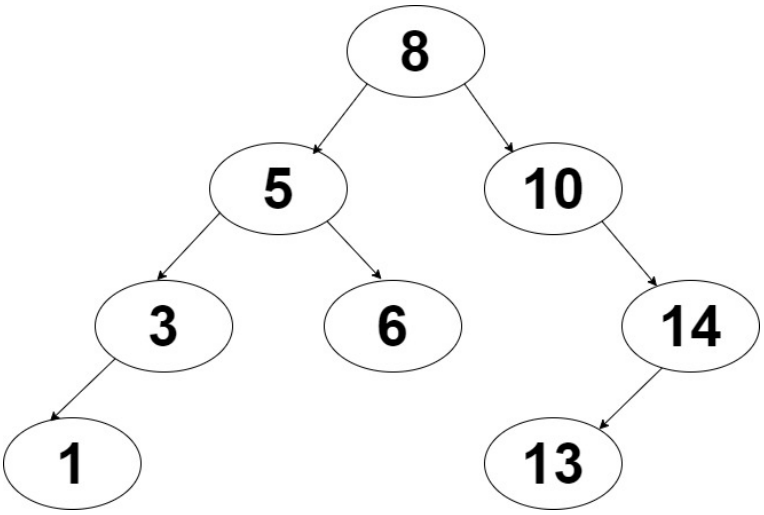
Instructions

1. Access the auto-grader at https://c200.luddy.indiana.edu
2. Please write the code for the problems in python language
3. The code should be readable with variables named meaningfully
4. Plagiarism is unacceptable and we have ways to find it, so do not do it
5. Don't change the function signature (name of the function and number and types of arguments) provided in this file.
6. Once you pass all the tests on the auto grader, show your work to the teaching assistant

Problem

Question

You are provided with the root of a binary tree and an integer called targetSum. Your objective is to determine whether there exists a path from the root to any leaf node in the tree, where the sum of the values along that path equals the specified targetSum. If such a path exists, return True; otherwise, return False



Test cases

1. `Input: root = [8,5,10,3,6,14,1,13], sum_targeted = 12.`
   `Output: False`

2. `Input: root = [8,5,10,3,6,14,1,13], sum_targeted = 17.`
   `Output: True`

Function signature

```
def findsum(root, targetSum):
    *** your logic***
    return  True / False
```