1) (10 pts) DSN (Binary Trees)

Write a function named *fsl()* (which stands for "**f**ind **s**mallest **l**eaf") that takes a pointer to the root of a binary tree as its only argument and returns the value of the smallest **leaf** node in the tree. Note that the tree passed to your function will **not** necessarily be a binary **search** tree. If the pointer root is NULL, fsl should return INT_MAX, which is defined below.

You **cannot** write any helper functions for this problem. You must complete all of your work in a single function. The function signature and node struct are given below.

```
#define INT_MAX 2147483647

typedef struct node {
    int data;
    struct node *left;
    struct node *right;
} node;

int fsl(node *root) {









}
```