MAXIMUM PATH SUM

Problem asks us to return the maximum sum across all paths.

Optimal Solution involves modifying the find height of Binary tree logic to incorporate a sum across all possible paths and carry maxSum recursively

Pseudocode :

```
int maxSum (Node * root, int &maxi) {
    if (root == NULL) {
        return 0;
    }
    int l = maxSum (root → left, maxi);
    int r = maxSum (root → right, maxi);
    maxi = max (maxi, l + r + root → val);
    return max(l, r) + root → val;
}

int maxPathSum (Node * root) {
    int maxi = INT_MIN;
    maxPath (root, maxi);
    return maxi;
}
```