LeetCode

Valid Parentheses

class Solution {

public:

bool isValid(string s) {

int n =s.length();

unordered\_map<char,char>map = {

{'(',')'},

{'[',']'},

{'{','}'}

};

stack<int>st;

for(int i=0;i<n;i++)

{

if(s[i]=='(' || s[i]=='{' || s[i]=='[')

st.push(s[i]);

else

{

if(st.empty() || map[st.top()] != s[i])

return false;

else

st.pop();

}

}

return st.empty();

}

};