Leet Code

Roman to Integer

class Solution {

public:

int romanToInt(string s) {

int ans=0;

unordered\_map <char,int> mp{

{'I',1},{'V',5},{'X',10},{'L',50},{'C',100},{'D',500},{'M',1000}};

for(int i=0;i<s.size();i++){

if(mp[s[i]]<mp[s[i+1]]){

//for cases such as IV,CM, XL, etc...

ans=ans-mp[s[i]];

}

else{

ans=ans+mp[s[i]];

}

}

return ans;

}

};