DATE

leetcode challenge

Day-1

1. **Valid parenthesis** (easy)

condition :- i) ( ) ii) correct order iii) Same as

↑ Same type of open & close

Eg: (), ()[]{} (true) ✓

(] → false ×

approach :- stack

Ex:- {[][()]}

⟹ check length → if zero → "true"

⟹ declare stack (=) stack <char> stack;

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loop:- from first char to last character

⇓

Push if => {, [, (

else => what if){) (stack empty)

↑ first character is closed bracket → return false

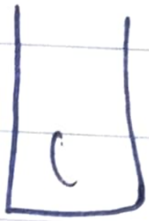
what if stack Top => "(" & incoming one ")"
(Pop)

what if stack top => "[" & incoming one "]"
(pop)

what if stack Top => "{" " incoming one "}"
(pop)

else → return false → when

~~stop~~ loop ends.



eg: (

there is no close bracket

Final:- return stack empty / or not.